

Flight Control Surface Parts and Attaching Hardware

Aileron, Elevator, Elevator Trim, Flap and Rudder Skins for Cessna Aircraft

New! Smooth rudder and elevator skins for 150 thru 172 models

- Available as convenient kits or individually
- No pre-drilled holes to misalign
- Cut to shape to match the OEM skins
- More precise corrugation spacing and shape
- FAA-PMA direct replacement (except where noted)

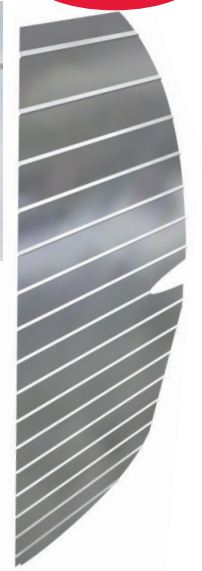
See page 132 for complete skin kit contents

Expanded Eligibility!

Better and costs less!

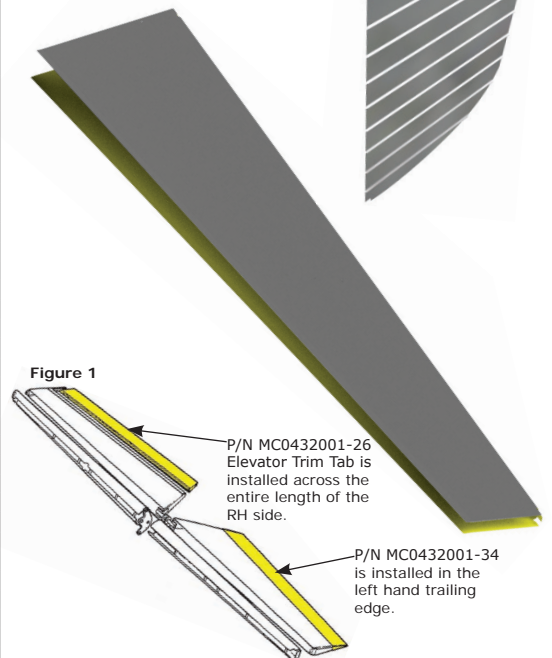


New!



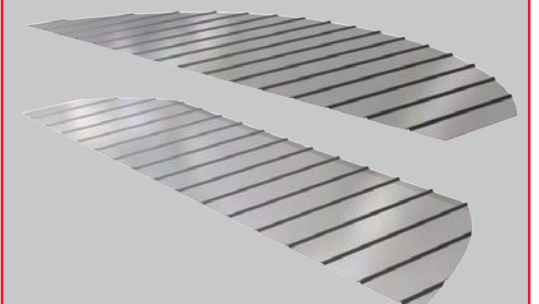
Model	Aileron Skin Kits	Elevator Skins and Kits	Elevator Trim Skins	Flap Skin Kits	Rudder Skins and Kits
120	SKN-KT-AIL4	SKN-KT-ELEV8		N/A	SKN-KT-RUD6
140	SKN-KT-AIL4	SKN-KT-ELEV8		SKN-KT-FLP9	SKN-KT-RUD6
140A	SKN-KT-AIL1	SKN-KT-ELEV9		SKN-KT-FLP10	SKN-KT-RUD6
150,A,B,C,D,E	SKN-KT-AIL1	MC0432001-34 (LH see figure 1)	MC0432001-26 (RH see figure 1)	SKN-KT-FLP1	MC0431001-3 (trl. edge)
150F,G,H,J,K,L	SKN-KT-AIL1	MC0432001-34 (LH see figure 1)	MC0432001-26 (RH see figure 1)	SKN-KT-FLP1	MC0431004-43
150M, A150M, F150M, FA150M	SKN-KT-AIL1	MC0432001-34 (LH see figure 1)	MC0432001-26 (RH see figure 1)	SKN-KT-FLP1	MC0433010-8
A150K,L, F150F,G,H,J,K,L, FA150K,L	SKN-KT-AIL1	MC0432001-34 (LH see figure 1)	MC0432001-26 (RH see figure 1)	SKN-KT-FLP1	MC0431004-43
152, A152, F152, FA152	SKN-KT-AIL1	MC0432001-34 (LH see figure 1)	MC0432001-26 (RH see figure 1)	SKN-KT-FLP1	N/A
170	SKN-KT-AIL4	SKN-KT-ELEV1	N/A	SKN-KT-FLP11	SKN-KT-RUD1
170A	N/A	N/A	N/A	SKN-KT-FLP12	SKN-KT-RUD1
170B	SKN-KT-AIL1	SKN-KT-ELEV2	N/A	SKN-KT-FLP2	SKN-KT-RUD2
172	SKN-KT-AIL1	SKN-KT-ELEV3	N/A	SKN-KT-FLP2	SKN-KT-RUD3
172A,B,C	SKN-KT-AIL1	SKN-KT-ELEV3	N/A	SKN-KT-FLP2	MC0531006-8
172D,E,F	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-8
172F,G,H,I,K,L,M,N,P	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-70
172P,Q,R,S, (T-41A)	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0533150-3 (Aft)
172RG	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-70
172RG	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0533150-3
F172D,E,F	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-8
F172F,G,H,I,K,L,M,N,P	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-70
F172P	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0533150-3 (Aft)
FP172	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	N/A
FR172E,F,G,H,J	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP3	MC0531006-70
FR172K	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-70
P172D	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-8
R172E,F,G,H	N/A	N/A	N/A	N/A	MC0531006-70
R172K	SKN-KT-AIL1	SKN-KT-ELEV4	N/A	SKN-KT-FLP3	MC0531006-70
175	SKN-KT-AIL1	SKN-KT-ELEV3	N/A	SKN-KT-FLP2	SKN-KT-RUD3
175A,B,C	SKN-KT-AIL1	SKN-KT-ELEV3	N/A	SKN-KT-FLP2	MC0531006-8
180,A,B,C,D,E	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP2	SKN-KT-RUD4
180F,G,H,J,K	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP3	SKN-KT-RUD4
182, 182A,B	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP2	SKN-KT-RUD4
182C,D	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP2	N/A
182E,F,G	SKN-KT-AIL1	SKN-KT-ELEV6	N/A	SKN-KT-FLP4	N/A
182H,J,K,L,M,N,P,Q,R,S,T	SKN-KT-AIL1	SKN-KT-ELEV7	N/A	SKN-KT-FLP4	N/A
A182J,K,L,N	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP4	N/A
F182P,Q, FR182, R182, TR182, T182, T182T	SKN-KT-AIL1	SKN-KT-ELEV7	N/A	SKN-KT-FLP4	N/A
185,A,B,C,D,E, A185E	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP2	SKN-KT-RUD4
A185E,F	SKN-KT-AIL1	SKN-KT-ELEV5	N/A	SKN-KT-FLP3	SKN-KT-RUD4
188, 188A,B, A188, A188A,B, T188C	SKN-KT-AIL2	SKN-KT-ELEV6	N/A	SKN-KT-FLP4	SKN-KT-RUD4
190,195,195A,B	N/A	SKN-KT-ELEV1	N/A	N/A	SKN-KT-RUD5
190,195,195A,B	N/A	N/A	N/A	N/A	SKN-KT-RUD5
205 (210-5), 205A (210-5A)	SKN-KT-AIL1	SKN-KT-ELEV6	N/A	SKN-KT-FLP5	N/A
206, U206, U206A,B, TU206A,B	SKN-KT-AIL3	SKN-KT-ELEV7	N/A	SKN-KT-FLP6	N/A
U206C,D,E,F,G, TU206C,D,E,F,G	SKN-KT-AIL3	N/A	N/A	SKN-KT-FLP6	N/A
206H	SKN-KT-AIL3	N/A	N/A	SKN-KT-FLP7	N/A
P206, P206A,B	SKN-KT-AIL3	SKN-KT-ELEV7	N/A	SKN-KT-FLP7	N/A
P206C,D,E, TP206A,B,C,D,E, T206H	SKN-KT-AIL3	N/A	N/A	SKN-KT-FLP7	N/A
207,A, T207,A	SKN-KT-AIL3	N/A	N/A	SKN-KT-FLP8	N/A
210,A	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP2	N/A
210B	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP4	N/A
210B	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP5	N/A
210C	SKN-KT-AIL1	N/A	N/A	SKN-KT-FLP5	N/A
210D,E,F, T210F	SKN-KT-AIL3	N/A	N/A	SKN-KT-FLP7	N/A

New smooth elevator and rudder skins for 150 thru 172 aircraft!



FAA-PMA/STC

Now STC approved for 120, 140, 170 and 195 series aircraft to replace trailing edge spot welds with rivets! STC with instructions included.



Unless otherwise noted, approval is for all serial numbers for each model listed.

Note: Elevator Tab skins only included in SKN-KT-ELEV1.

- 1 Kits are approved S/N F15201429 thru F152201952
- 2 Kits are approved S/N FA1520337 thru FA1520387
- 3 S/N 46755 thru 17252000
- 4 S/N 17252001 thru 17275953
- 5 S/N 17275954 and On
- 6 S/N 172RG0001 thru 172RG1134
- 7 S/N 172RG1135 and On
- 8 S/N F172-0001 thru F172-0119
- 9 S/N F172-0120 thru F17202208
- 10 S/N F17202209 and On

- 11 S/N R172-0302 thru R1720620
- 12 Kits are approved S/N A182-0001 thru A182-0146
- 13 Kits are approved S/N All except R18201315
- 14 Kits are approved S/N 185-0001 thru A185-1167
- 15 Kits are approved S/N 18501168 thru 18504448
- 16 Kits are approved S/N 7004 thru 16083
- 17 Kits are approved S/N 16084 thru 16183
- 18 Kits are approved S/N 21057841 thru 21058003
- 19 Kits are approved S/N 21058004 thru 21058085
- 20 If equipped with rudder assembly 0531006-108 use MC0531006-70. If equipped with rudder assembly 0533150-5 use MC0533150-3

FAA-PMA Approved

Aileron, Elevator, Flap and Rudder Skins for Cessna Aircraft

Continued from previous page, see eligibility on page 131.

Aileron Skin Kit Components

SKN-KT-AIL1		
Qty	P/N	Location
1	MC0523800-6	Upper Inbd LH
1	MC0523800-7	Upper Inbd RH
1	MC0523800-8	Upper Otbd LH
1	MC0523800-9	Upper Otbd RH
1	MC0523800-10	Lower Inbd LH
1	MC0523800-11	Lower Inbd RH
1	MC0523800-12	Lower Otbd LH
1	MC0523800-13	Lower Otbd RH

SKN-KT-AIL2		
1	MC1624001-5	Upper Inbd LH
1	MC1624001-6	Upper Inbd RH
1	MC1624001-9	Upper Otbd LH
1	MC1624001-10	Upper Otbd RH
1	MC1624001-3	Lower Inbd LH
1	MC1624001-4	Lower Inbd RH
1	MC1624001-7	Lower Otbd LH
1	MC1624001-8	Lower Otbd RH

SKN-KT-AIL3		
1	MC1220085-11	Upper LH
1	MC1220085-12	Upper RH
1	MC1220085-13	Lower LH
1	MC1220085-14	Lower RH

SKN-KT-AIL4		
2	MC0424000-10	Aileron
2	MC0424000-20	Aileron

1 FAA-PMA/STC. Includes instructions to replace spot welds with rivets.

Rudder Skin Kit Components

SKN-KT-RUD1		
Qty	P/N	Location
1	MC0333000-4	Upper LH
1	MC0333000-5	Upper RH
1	MC0533000-4	Lower LH
1	MC0533000-5	Lower RH
1	MC0333116	Rudder Tab

SKN-KT-RUD2		
1	MC0533000-20	Upper LH
1	MC0533000-21	Upper RH
1	MC0533000-4	Lower LH
1	MC0533000-5	Lower RH

SKN-KT-RUD3		
1	MC0531001-8	LH
1	MC0531001-9	RH

SKN-KT-RUD4		
1	MC0731000-13	LH
1	MC0731000-14	RH

SKN-KT-RUD5		
2	MC0333000-4	LH
2	MC0333000-5	RH
1	MC0333116	Rudder Tab

SKN-KT-RUD6		
1	MC0433000-30	LH
1	MC0433000-40	RH
1	MC0433127	Rudder Tab

1 FAA-PMA/STC. Includes instructions to replace spot welds with rivets.

Elevator Skin Kit Components

SKN-KT-ELEV1		
Qty	P/N	Location
1	MC0334100-3	Tab Upper
1	MC0334100-4	Tab Lower
1	MC0334100-5	Upper RH
1	MC0334100-6	Lower RH
1	MC0334200-3	Lower LH
1	MC0334200-4	Upper LH

SKN-KT-ELEV2		
1	MC0534100-4	Upper LH
1	MC0534100-5	Lower LH
1	MC0534101-4	Lower RH
1	MC0534101-5	Upper RH

SKN-KT-ELEV3		
1	MC0532001-36	Upper RH
1	MC0532001-37	Lower LH
1	MC0532001-38	Lower RH
1	MC0532001-39	Upper LH

SKN-KT-ELEV4		
1	MC055044-1	Lower LH
1	MC055044-2	Lower RH
1	MC055044-3	Upper LH
1	MC055044-4	Upper RH

SKN-KT-ELEV5		
2	MC0734600-4	Upper LH & Lower RH
2	MC0734600-9	Upper RH & Lower LH

SKN-KT-ELEV6		
1	MC0734600-4	Upper LH
1	MC0734600-9	Lower LH
1	MC0734600-14	Lower RH
1	MC0734600-15	Upper RH

SKN-KT-ELEV7		
1	MC1234600-5	Upper LH
1	MC1234600-6	Upper RH
1	MC1234600-7	Lower LH
1	MC1234600-8	Lower RH

SKN-KT-ELEV8		
1	MC0434141-1	Upper LH
1	MC0434140-2	Upper RH
1	MC0434142-3	Lower LH
1	MC0434135-4	Lower RH
1	MC0434135-10	Tab Upper
1	MC0434135-11	Tab Lower
1	MC0434141-1	Upper LH

SKN-KT-ELEV9		
1	MC0434140-2	Upper RH
1	MC0434142-3	Lower LH
1	MC0434135-4	Lower RH
1	MC0434135-15	Tab Upper
1	MC0434135-16	Tab Lower

1 FAA-PMA/STC. Includes instructions to replace spot welds with rivets.

Flap Skin Kit Components

SKN-KT-FLP1		
Qty	P/N	Location
1	MC0426901-10	Upper RH
1	MC0426901-11	Upper LH
1	MC0426901-6	Lower LH
1	MC0426901-7	Lower RH

SKN-KT-FLP2		
1	MC0523901-4	Upper LH
1	MC0523901-5	Upper RH
1	MC0523901-6	Lower LH
1	MC0523901-7	Lower RH

SKN-KT-FLP3		
2	MC0523901-201	Upper LH, RH
1	MC0523901-6	Lower LH
1	MC0523901-7	Lower RH

SKN-KT-FLP4		
1	MC0523901-21	Upper LH
1	MC0523901-22	Upper RH
1	MC0523901-19	Lower LH
1	MC0523901-20	Lower RH

SKN-KT-FLP5		
1	MC0523901-25	Upper LH
1	MC0523901-26	Upper RH
1	MC0523901-27	Lower LH
1	MC0523901-28	Lower RH

SKN-KT-FLP6		
1	MC0523901-25	Upper Inbd LH
1	MC1220100-20	Upper Inbd RH
1	MC1220100-5	Upper Otbd LH
1	MC1220100-6	Upper Otbd RH
1	MC0523901-27	Lower Inbd LH
1	MC1220100-18	Lower Inbd RH
1	MC1220100-3	Lower Otbd LH
1	MC1220100-4	Lower Otbd RH

SKN-KT-FLP7		
1	MC0523901-25	Upper Inbd LH
1	MC0523901-26	Upper Inbd RH
1	MC1220100-5	Upper Otbd LH
1	MC1220100-6	Upper Otbd RH
1	MC0523901-27	Lower Inbd LH
1	MC0523901-28	Lower Inbd RH
1	MC1220100-3	Lower Otbd LH
1	MC1220100-4	Lower Otbd RH

SKN-KT-FLP8		
1	MC1220100-33	Upper Inbd LH
1	MC1220100-34	Upper Inbd RH
1	MC1220100-5	Upper Otbd LH
1	MC1220100-6	Upper Otbd RH
1	MC1220100-35	Lower Inbd LH
1	MC1220100-36	Lower Inbd RH
1	MC1220100-3	Lower Otbd LH
1	MC1220100-4	Lower Otbd RH

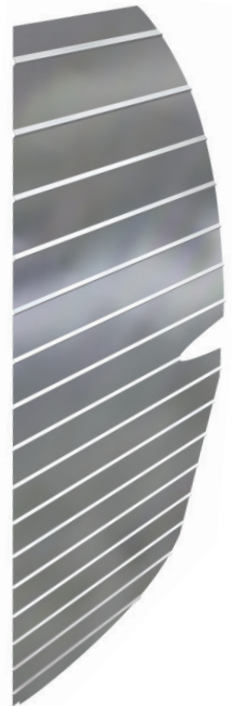
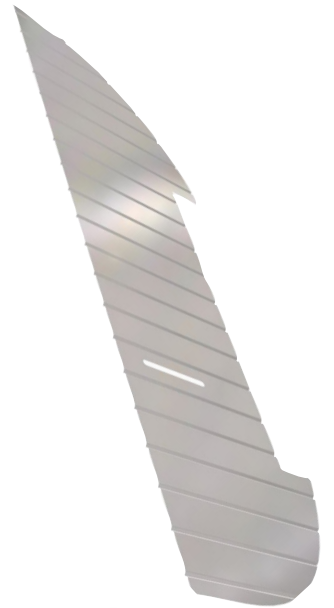
SKN-KT-FLP9		
2	MC0425000-10	Upper
2	MC0425000-20	Lower

SKN-KT-FLP10		
2	MC0426900-2	Upper
2	MC0426900-4	Lower

SKN-KT-FLP11		
2	MC0525000-10	Upper
2	MC0525000-20	Lower

SKN-KT-FLP12		
2	MC0523900-10	Upper
2	MC0523900-20	Lower

1 FAA-PMA/STC. Includes instructions to replace spot welds with rivets.

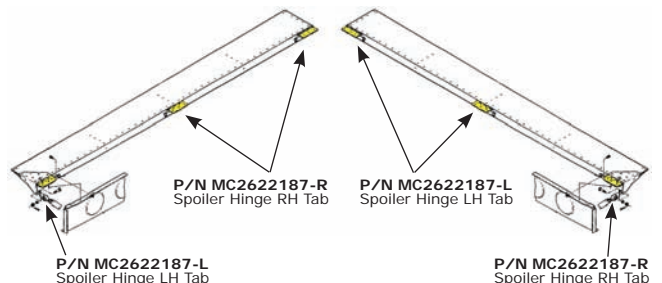


Caravan Spoiler Hinges

Improved McFarlane hinges feature selective fit pins for a longer service life

P/N MC2622187-L (Replaces 2 each 2622187-7, 1 each 2622226-1)
P/N MC2622187-R (Replaces 2 each 2622187-7, 1 each 2622226-2)

- Save \$\$\$
- FAA-PMA direct replacement
- Eligible for all Cessna Caravan 208,208B
- Selective fit pins
- No looseness in the hinge to start vibration wear



Flight Control Surface Parts and Attaching Hardware

Flap Track Wear Gauge for Cessna Aircraft

P/N 950

Use to determine if a Cessna flap track is worn beyond service limits.



Flap Track Wear Gauge Instructions

Run the gauge plug along each slot in each flap track while verifying that the gauge will not enter the slot. Reposition the flaps as required to gauge the entire length of each slot. If the gauge enters a slot at any point, the track is worn beyond service limits. Periodically verify the gauge diameter by measuring the gauge diameter with a calibrated micrometer.

This gauge will work for all single engine Cessna aircraft except 140A, 170A and 195.

Flap Trailing Edge Stiffener for Cessna Aircraft

New streamline shape and improved fit to reduce stress cracks

FAA-PMA! Logbook entry is all that is required.

What is the purpose of a flap trailing edge stiffener?

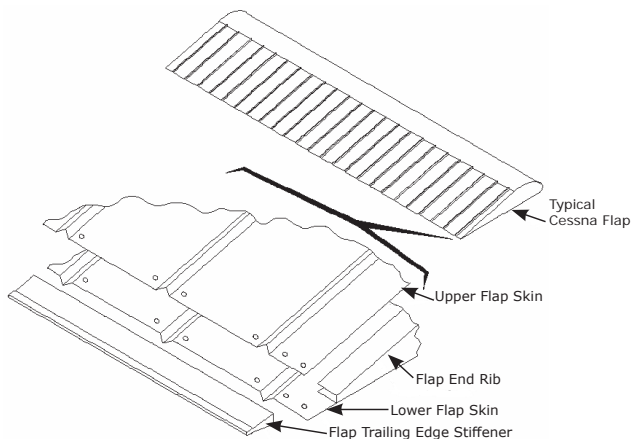
- Reinforce the flap trailing edge making it more resilient to hangar rash
- Ensure a straight trailing edge. Without a stiffener, the trailing edge tends to have "wavy" appearance where the top and bottom skin rivet together
- Reduce stress in the flap skins and prevent cracks around the rivets. Without a stiffener of the proper shape, the skin must abruptly bend where the top and bottom skins rivet together
- Provide a blunt surface, thus preventing diamond shaped cut patterns on the foreheads of pilots and passengers

New Improved Fit to Reduce Skin Stress

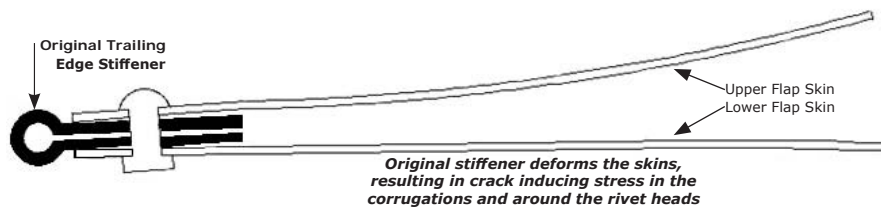
The new McFarlane stiffeners are accurately shaped to the same angle that the top and bottom stiffeners come together to completely eliminate the bending stress due to riveting the skins together. This prevents stress concentrations in the skin corrugations and near the rivets making cracks less likely. McFarlane has improved the stiffener angle as compared to other brand of triangle stiffeners.

New Streamline Shape

The new McFarlane design smoothly transitions from the skin surface to a blunt trailing edge without an unsightly bulb and resultant drag found on common trailing edge stiffeners. The new shape even weighs less than other bulky stiffeners.



Aircraft	Part Number
150, 150A,B,C,D,E,F,G,H,J,K,L,M	MC1741-79.5
A-150L, A-A150L, A150K,L,M	MC1741-79.5
F150F,G,H,J,K,L,M	MC1741-79.5
FA150K,L,M	MC1741-79.5
FRA150L,M	MC1741-79.5
152, A152, F152, FA152	MC1741-79.5
170B	MC1741-79.5
172, 172A,B,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S	MC1741-79.5
172RG	MC1741-79.5
F172D,E,F,G,H,K,L,M,N,P	MC1741-79.5
FP172	MC1741-79.5
FR172E,F,G,H,J,K	MC1741-79.5
P172D	MC1741-79.5
R172E,F,G,H,K	MC1741-79.5
175, 175A,B,C	MC1741-79.5
180, 180A,B,C,D,E,F,G,H,J,K	MC1741-79.5
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T	MC1741-79.5
F182P,Q	MC1741-79.5
FR182, R182, T182, T182T, TR182	MC1741-79.5
185, 185A,B,C,D,E, A185E,F	MC1741-79.5
188, 188A,B, A188, A188A,B, T188C	MC1741-79.5
(205) 210-5	MC1741-79.5
(205A) 210-5A	MC1741-79.5
206, 206H, T206H	MC1741-116.25
P206, P206A,B,C,D,E	MC1741-116.25
TP206A,B,C,D,E	MC1741-116.25
TU206A,B,C,D,E,F,G	MC1741-116.25
U206, U206A,B,C,D,E,F,G	MC1741-116.25
207, 207A, T207, T207A	MC1741-116.25
210, 210A,B,C	MC1741-79.5
210D,E,F	MC1741-116.25



Aluminum Aileron Hinge for Cessna

P/N MC0523816-1

- Selective fit, positive capture, stainless steel pin
- No looseness in the hinge to start vibration wear
- No cotter keys to fail
- Anodized for better corrosion and wear resistance
- Replaces part number 0523816-1 and 0523807

Aircraft

150,152,170,172,175,180,182,185,205,210 (All serial numbers)



Flap Wear Buttons

P/N S1093-1

- Prevents flap leading edge skin wear
- Nylon construction
- Available in 30 packs

Manufactured by Cessna



Flap and Aileron Rod Ends

See pages 27-29 for Cessna and Piper rod ends



Aileron Rod Assembly for Piper PA-28/28R Series

Save \$\$

40% off Piper!
P/N CA62766-000

- High quality 4130 steel construction
- Replaceable aft rod end bearing (P/N CA452-334A)
- Includes ICA with improved inspection procedures

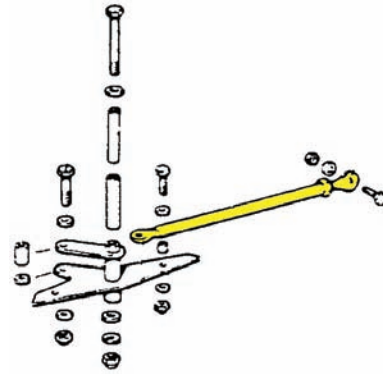
Maintenance Tip:

PMA Products recommends replacement when there is:

- more than 0.010 inch radial free play in either bearing
- any corrosion on either bearing
- significant corrosion or other damage to the tube
- see ICA at www.mcfarlaneaviation/reference/ for details

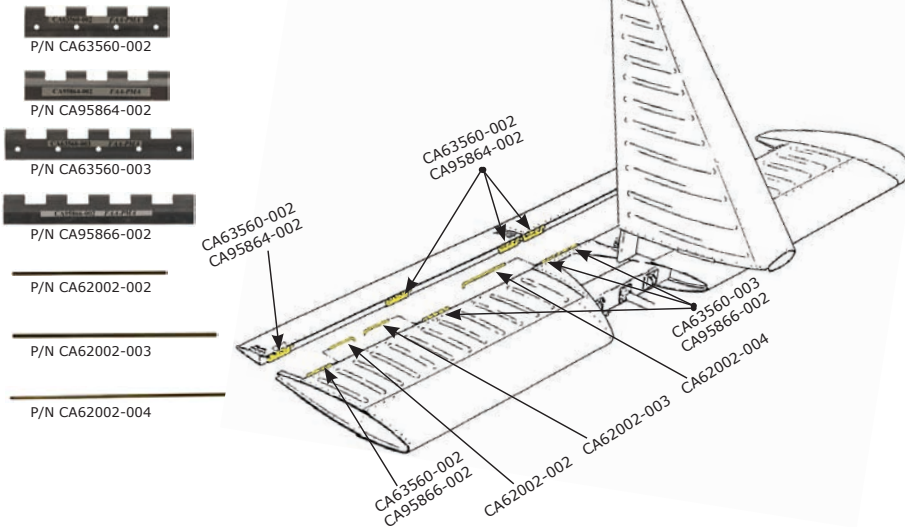
FAA-PMA approved for aircraft models:
PA-28-140, 150, 160, 180, 235, PA-28R-180, 200 (All serial numbers)
2 required per aircraft

Manufactured by PMA Products, Inc.



Stabilator Trim Tab Hinges for Piper Aircraft
Another convenient fit from McFarlane!

- Pins and hinge halves each sold separately or as convenient kits
- One kit required per aircraft
- Kit components are FAA-PMA approved



Aileron Hinges for Piper Aircraft

- Hinge pins are Teflon coated
- FAA-PMA/STC approved
- Direct replacement



P/N 62371-108



P/N CA35636-100

Aircraft	62371-108 Qty/Aircraft	CA35636-100 Qty/Aircraft
PA-28-140	4	
PA-28-150	4	
PA-28-151		2
PA-28-160	4	
PA-28-161		2
PA-28-180	4	
PA-28-181	4	2
PA-28-201T	4	2
PA-28-235	4	
PA-28-236	4	2
PA-28-R180	4	
PA-28R-200	4	
PA-28R-201	4	2
PA-28R-201T	4	2
PA-28RT-201	4	2
PA-28RT-201T	4	2
PA-32-260	4	
PA-32-300	4	
PA-32RT-300, 300T	4	
PA-34-200	4	

Aircraft	Trim Tab Hinge Kit	Trim Tab Pin Only Kit
PA-28-140, 150, 151, 160, 161	PTH-KT-1	PTP-KT-1
PA-28-180	PTH-KT-1	PTP-KT-1
PA-28-181	PTH-KT-1	PTP-KT-1
PA-28-201T	PTH-KT-1	PTP-KT-1
PA-28-235	PTH-KT-1	PTP-KT-1
PA-28-236	PTH-KT-1	PTP-KT-1
PA-28R-180	PTH-KT-1	PTP-KT-1
PA-28R-200	PTH-KT-1	PTP-KT-1
PA-28R-201, 201T	PTH-KT-1	PTP-KT-1
PA-28RT-201, 201T	PTH-KT-1	PTP-KT-1
PA-32-260	PTH-KT-1	PTP-KT-1
PA-32-300, PA-32R-300	PTH-KT-1	PTP-KT-1
PA-32-301, 301T	PTH-KT-1	PTP-KT-1
PA-32R-301, 301T	PTH-KT-1	PTP-KT-1
PA-32RT-300, 300T	PTH-KT-1	PTP-KT-1
PA-34-200, 200T, 220T	PTH-KT-2	PTP-KT-2
PA-44-180, 180T	PTH-KT-1	PTP-KT-1

Qty	Part Number	Description
Piper Trim Tab Hinge Kit P/N PTH-KT-1		
2	CA62002-002	Pin, Hinge, Outboard
2	CA62002-003	Pin, Hinge, Center
1	CA62002-004	Pin, Hinge, Inboard
8	CA63560-002	Hinge Half
4	CA63560-003	Hinge Half
Piper Trim Tab Pin Kit P/N PTP-KT-1		
2	CA62002-002	Pin, Hinge, Outboard
2	CA62002-003	Pin, Hinge, Center
1	CA62002-004	Pin, Hinge, Inboard
Piper Trim Tab Hinge Kit P/N PTH-KT-2		
4	CA62002-003	Pin, Hinge, Outboard or Center
1	CA62002-004	Pin, Hinge, Inboard
6	CA95864-002	Hinge Half
6	CA95866-002	Hinge Half
Piper Trim Tab Pin Kit P/N PTP-KT-2		
4	CA62002-003	Pin, Hinge, Outboard or Center
1	CA62002-004	Pin, Hinge, Inboard

Kits are eligible for all serial numbers of each model unless noted below.

- 1 S/Ns 28-671 thru 28-7205328 and 28-7305001 thru 28-7505260 only
- 2 S/Ns 28-10001 thru 28-7210023 and 28-7310001 thru 28-7710089 only
- 3 S/Ns 28R-35001 thru 28R-7135238 and 28R-7235001 thru 28R-7635545 only

1 S/Ns 28-7615001 and on
Note:
When both part numbers are eligible verify correct part number by length:
P/N 62371-108 is 5"
P/N CA35636-100 is 7.5"



Flap Tracks for Cessna Aircraft

Replace worn-out tracks to prevent dangerous and expensive binding problems!

- Improved Material
 - 20% Stronger
 - 6 Times fatigue strength
 - Greater resistance to 'mushrooming' and stress cracking
- Precision machined for smooth rolling action
- No pre-drilled holes for a precise, clean installation
- Replace just the track, not the entire rib assembly (Cessna only lists the rib assembly for most aircraft)
 - Eliminates the need to drill into the fuel tank area
- Alodined then epoxy primed per MIL-PRF-23377 for corrosion protection
- Installation instructions included



Cessna Flap Track Rib Assembly Part Number	Cessna Flap Track Part Number	McFarlane Flap Track Part Number
0523231-13		
0523231-21	0523231-14 ⁵	MC0523231-14
0523231-23		
0525001-1		
0525001-1S	0525001-2 ⁶	MC0525001-2
2425001-1		
1220058-1	1220048-1 ⁵	MC1220048-1
1220052-2		
1221010-7		
1221010-7AGW		
1221010-15		
1221010-16	1221010-8 ⁵	MC1221010-8
1221010-19		
1221010-19AGW		
1221010-20		
1221010-20AGW		
N/A	1221064-19 ⁶	MC1221064-19
	1221064-20 ⁶	MC1221064-20
	1221064-21 ⁶	MC1221064-21

Aircraft	Quantity per Aircraft										
	Part Number	MC0523231-14	MC0525001-2	MC1220048-1	MC1221010-8	MC1221064-19	MC1221064-20	MC1221064-21	MC2622075-4	MC2622075-5	MC2622075-6
See pages 136-138 for flap roller kits!											
150,150A,B,C,D,E,F,G,H,J,K,L,M	4										
A150K,L,M	4										
F150F,G,H,J,K,L,M, FA150K,L,M	4										
152 ¹ , S/N 15279406 thru 15285564 ²	4	4									
152 ¹ , S/N 15285565 thru 15286033		4									
A152 ¹ , S/N A1520735 thru A1521014 ²	4	4									
A152 ¹ , S/N A1521015 thru A1521049		4									
F152 ¹ , S/N F15201429 thru F15201908 ²	4	4									
F152 ¹ , S/N F15201909 thru F15201980		4									
FA152 ¹ , S/N FA1520337 thru FA1520387 ²	4	4									
FA152 ¹ , S/N FA1520388 thru FA1520425		4									
170B	4										
172,172A,B,C,D,E,F,G,H,I,K,L,M,N	4										
172P,R,S, F172P		4									
172RG, S/N 172RG0001 thru 172RG0409 ²	4	4									
172RG, S/N 172RG0410 thru 172RG1191		4									
F172D,E,F,G,H,K,L,M,N	4										
FP172	4										
FR172E,F,G,H,J,K ¹	4										
S/N FR17200591 thru FR17200665		4									
FR172K ¹		4									
S/N FR17200666 thru FR17200675											
P172D	4										
R172E,F,G,H,K	4										
R172K ¹ , S/N R1723400 thru R1723454		4									
175,175A,B,C	4					2	2	2			
177,177A,B,177RG,F177RG											
180,180A,B,C,D,E,F,G,H,J,K			4								
182,182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q			4								
182S,T			4								
F182P,Q	4										
FR182	4										
R182, T182, T182T	4										
185,185A,B,C,D,E,A185E,F	4										
188A,B,A188B	4										
210-5 (205), 210-5A (205A)	4										
206,U206,U206A,B,C,D,E,F,G,TU206FG		2	4								
206H,T206H		6									
P206,P206A,B,C,D,E		2	4								
207,207A,T207,T207A		2	4								
208 S/N 20800001 thru 20800164 ³									4	2	
208 S/N 20800001 thru 20800164 ⁴									2	2	2
208 S/N 20800165 thru 20899999									4	2	
208B S/N 208B0001 thru 208B0194 ³									4	2	
208B S/N 208B0001 thru 208B0194 ⁴									2	2	2
208B S/N 208B0195 thru 208B9999									4	2	
210A,B,C											
210D,E,F		2	4								
210G,H,J,K,L,M,N,R						2	2	2			
P210N,R						2	2	2			
T210F			2	4							
T210G,H,J,K,L,M,N,R						2	2	2			

Caravan 208 Flap Track

- NDI inspected throughout the manufacturing process
- **Save thousands!**



Caravan flap roller kits available now, see pages 137-138! Save 60% on MS21442-121 Bearings

¹ Partial model eligibility
² Cessna model 152, A152, F152, FA152 and 172RG aircraft may have various flap track rib assemblies installed. If flap track rib assembly part number 0523231-23 is currently installed, then McFarlane part number MC0523231-14 must be used to replace the flap track. If flap track rib assembly part number 0525001-1 or 2425001-1 is currently installed, then McFarlane part number MC0525001-2 must be used to replace the flap track. Flap track rib assembly 0523231-23 includes a 0.160 inch thick flap track with no lightening hole. Flap track rib assemblies 0525001-1, 0525001-1S and 2425001-1 include a 0.25 inch thick flap track with a 2.25 inches lightening hole located between the flap roller slots.
³ With service kit SK208-71
⁴ Without service kit SK208-71
⁵ Part numbers do not appear in the Illustrated Parts Catalogs; only track assembly part numbers are listed.
⁶ Part numbers appear directly in Illustrated Parts Catalogs; no assembly part numbers exist.

Flap Roller Kits for Cessna Aircraft

McFarlane offers a basic flap roller kit or an upgrade kit to address flap arm wear problems. Each flap roller kit contains enough components for one aircraft. All components are also available separately.

See eligibility and kit component lists on the following page.

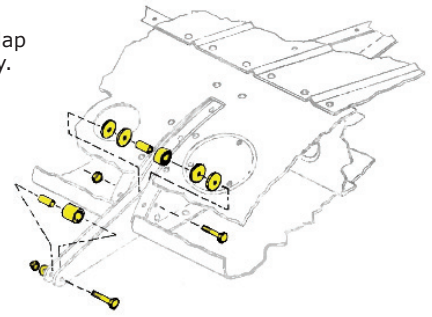
Now available - Flap roller kits for Cessna Caravan 208 and Skymaster 336/337 aircraft!

Basic kits include

Rollers, bushings, shims and spacers where required

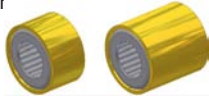
Upgrade kits include

Rollers, bushings, shims, spacers where required, MCSK100 Flap Service Kits, wear washers, SEB95-3 Rev. 1 and hardware (nuts, bolts and washers)



Rollers

- Cadmium plated for corrosion resistance
- Precision bearings for smooth, reliable operation



Bushings

- Heat treated bearing quality stainless steel
- Precision ground
- Improved wear and corrosion resistance



Shims and Spacers

- Stainless steel shims
- Self-lubricating nylon spacers



Hardware

- Nuts, bolts and washers
- Extra hardware included, installer must determine the correct nut, bolt and washer combination for specific aircraft



Wear Washers and SEB95-3 Rev. 1

- Stops forward roller location flap arm wear
- Service Bulletin SEB95-3 Rev. 1 is copyrighted by Cessna



MCSK100 Flap Roller Service Kits

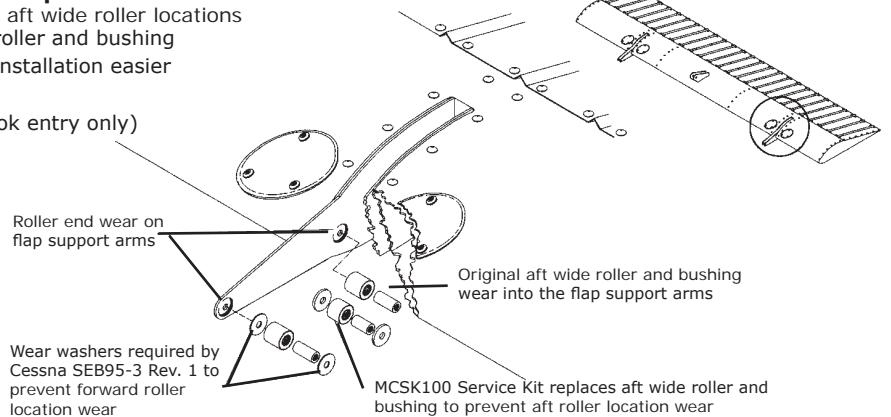
- Stops aft roller location flap arm wear
- Unique McFarlane solution



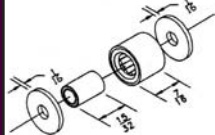
MCSK100 Flap Roller Service Kit for Cessna Aircraft

Stops flap arm wear! Prevents costly flap arm replacement.

- A permanent solution to the wear problem at the aft wide roller locations
- Includes two stepped washers, a medium width roller and bushing
- Stepped washers interlock with bushing making installation easier
- Replaces the aft wide roller and bushing
- FAA-PMA/STC approved (Minor alteration - logbook entry only)
- Applicable to most single engine Cessna aircraft
- Economical!



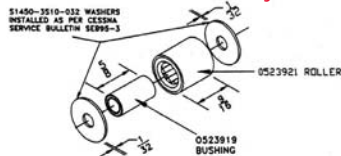
MCSK100 Flap Roller Service Kit



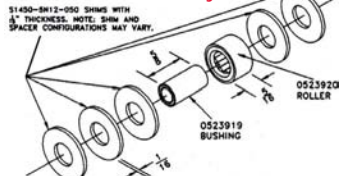
MCSK100 replaces aft wide roller assembly



MCSK100 DOES NOT replace forward wide roller assembly



MCSK100 DOES NOT replace narrow roller assembly



Technical Background:

The flap rollers wear into the flap support arms on Cessna aircraft. This wear is caused by the flap rollers due to the asymmetric extension or retraction of the flap during flight. This asymmetry is caused by the inboard or outboard section of the flap leading the retraction or extension of the flap. Many factors, including rusty or damaged rollers or flap track imperfections, can contribute to this condition. This asymmetry causes the rollers to be pressed against the flap support arms (roller end loading) which, over time, causes damage to the flap support arms and structurally weakens the flap.

Cessna Service Bulletin SEB95-3 (Included in all FLP-KT series kits) addresses this issue by calling for the inspection and repair or replacement of the support arms and rollers. Cessna Service Bulletin SEB95-3 also requires the installation of stainless steel washers on each side of the forward rollers to reduce the wear between the roller and the support arms. SEB95-3, however, did not offer a preventative solution to the wear problem experienced at the aft roller locations. MCSK100 is a permanent solution that addresses the aft flap support arm wear problem. Installation is considered a minor alteration and does not require the filing of FAA Form 337. Only a logbook entry is required for this STC.

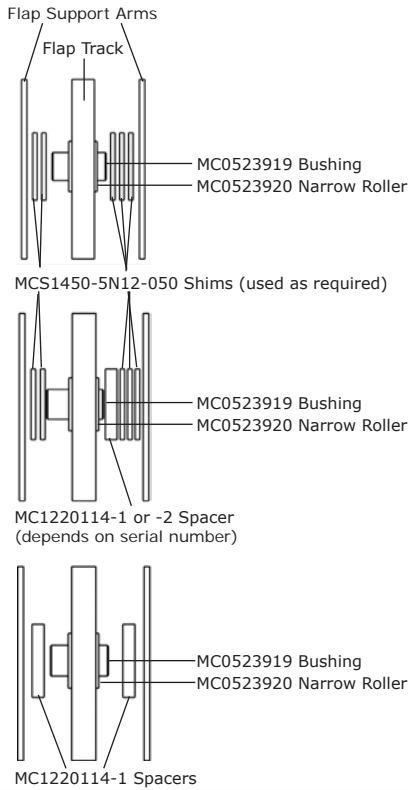
It is important that the Cessna Service Bulletin SEB95-3 is fully complied with before MCSK100 is installed.



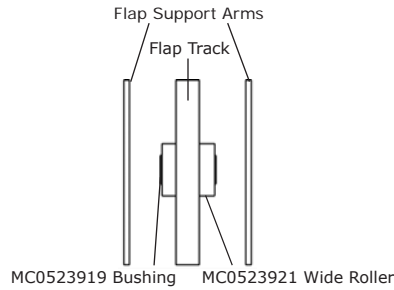
Cessna Flap Attachment Configurations

- All configurations shown are for example only. Types and quantities of shims and spacers will vary between aircraft. Refer to your aircraft's parts catalog for specific configuration
- McFarlane flap upgrade kits include all required bolts, nuts and washers

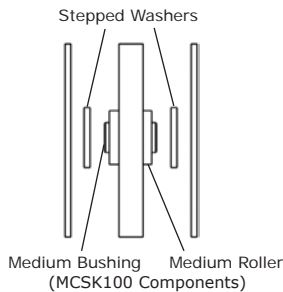
Aft Narrow Roller Locations (example configurations)



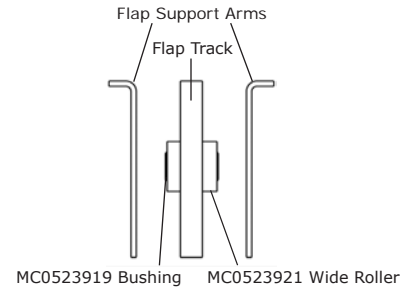
Aft Wide Roller Locations Original Configuration



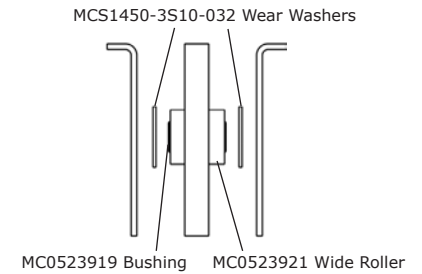
Aft Wide Roller Locations with MCSK100 Service Kit



Forward Roller Locations Original Configuration



Forward Roller Locations with Wear Washers per Cessna SEB95-3 Rev. 1



Eligibility for Flap Roller Kits for Cessna Aircraft

Model	Serial Number	Part Numbers	Model	Serial Number	Part Numbers
150, 150A, B, C, D, E, F, G, H, J	All	FLP-KT-1 or 1U	FR182	All	FLP-KT-3 or 3U
150K, L, M	All	FLP-KT-2 or 2U	R182(RG)/TR182	All	FLP-KT-3 or 3U
A150K, L, M	All	FLP-KT-2 or 2U	T182T	All	FLP-KT-3 or 3U
F150F, G, H, J	All	FLP-KT-1 or 1U	185, 185A, B, C, D, E/A185E, F	1850001 thru 18502310	FLP-KT-1 or 1U
F150K, L, M	All	FLP-KT-2 or 2U	A185F	18502311 thru 18504448	FLP-KT-8 or 8U
FA150K, L/FRA150L, M	All	FLP-KT-2 or 2U	188, 188A, B/A188A, B	1880001 thru 18802348	FLP-KT-3 or 3U
152	15279406 thru 15285564 15285565 thru 15286033	FLP-KT-2 or 2U FLP-KT-3 or 3U	A188B	18800967T thru 18803968T	FLP-KT-3 or 3U
F152	F15201429 thru F15201908 F15201909 thru F15201980	FLP-KT-2 or 2U FLP-KT-3 or 3U	T188C	All	FLP-KT-3 or 3U
A152	A1520735 thru A1521014 A1521015 thru A1521049	FLP-KT-2 or 2U FLP-KT-3 or 3U	210-5 (205), 210-5A (205A) 206	All	FLP-KT-1 or 1U FLP-KT-4 or 4U
FA152	FA1520337 thru FA1520387 FA1520388 thru FA1520425	FLP-KT-2 or 2U FLP-KT-3 or 3U	206H/T206H P206, A, B, C, D, E	All	FLP-KT-11 or 11U FLP-KT-4 or 4U
170B	All	FLP-KT-1 or 1U	TP206A, B, C, D, E	All	FLP-KT-4 or 4U
172, 172A, B, C	All	FLP-KT-1 or 1U	TU206A, B, C, D, E	U2060487 thru U20601568	FLP-KT-4 or 4U
172D, E, F, G, H, I, K, L, M, N	All	FLP-KT-2 or 2U	TU206E, F, G	U20601569 thru U20607020	FLP-KT-9 or 9U
172RG	172RG0001 thru 172RG0416 172RG0417 thru 172RG1191	FLP-KT-2 or 2U FLP-KT-3 or 3U	U206E, F, G	U2060276 thru U20601568	FLP-KT-4 or 4U
172P, Q	All	FLP-KT-3 or 3U	207, 207A, T207, T207A	All	FLP-KT-4 or 4U
172R	All	FLP-KT-10 or 10U	208, 208A, B	All	FLP-KT-12
172S	All	FLP-KT-10 or 10U	210, A, B, C	All	FLP-KT-1 or 1U
F172D, E, F, G, H, K, L, M, N	All	FLP-KT-2 or 2U	210D, E, F	All	FLP-KT-6
F172P	All	FLP-KT-3 or 3U	210G, H, J, K, L, M, N, R	All	FLP-KT-7
FR172E, F	All	FLP-KT-1 or 1U	P210N, R	All	FLP-KT-7
FR172G, H, J	All	FLP-KT-2 or 2U	T210F	All	FLP-KT-6
FR172K	All	FLP-KT-8 or 8U	T210G, H, J, N	All	FLP-KT-7
P172	All	FLP-KT-8 or 8U	336	All	FLP-KT-13
R172K	All	FLP-KT-8 or 8U	337, 337A, B, C, D, E, F, G, H	All	FLP-KT-14
175, 175A, B, C	All	FLP-KT-1 or 1U	F337E, F, G, H	All	FLP-KT-14
177, 177A, B	All	FLP-KT-4 or 4U	FT337E, F	All	FLP-KT-14
177RG	All	FLP-KT-4 or 4U	FT337GP, HP	All	FLP-KT-15
F177RG	All	FLP-KT-4 or 4U	M337B	All	FLP-KT-14
180, A, B, C, D, E, F, G, H, J	30000 thru 18052384	FLP-KT-1 or 1U	P337H	All	FLP-KT-15
180, K	18052385 thru 18053203	FLP-KT-8 or 8U	T337B, C, D, E, F	All	FLP-KT-14
182, 182A, B, C, D	All	FLP-KT-1 or 1U	T337G	All	FLP-KT-15
182, E, F, G, H, J, K, L, M, N, P, Q, R	All	FLP-KT-3 or 3U	T337H	All	FLP-KT-14
182S, T	All	FLP-KT-3 or 3U	T337H-SP	All	FLP-KT-15
A182J, K, L, M, N	All	FLP-KT-3 or 3U			
F182P, Q	All	FLP-KT-3 or 3U			

Partial model eligibility

**Save 60% on hard to find MS21442-121 bearings
included in FLP-KT-12 or purchase separately!**

Kit components are listed on the following page.



FAA-PMA Approved

Component List for Flap Roller Kits for Cessna Aircraft

Each flap roller kit contains enough components for one aircraft. All basic kits include the rollers, bushings, shims, spacers, washers where required and a copy of SEB95-3 Service Bulletin. The upgrade kits contain the same components, the wear washers required by Cessna SEB95-3 for the forward locations, MCSK100 Flap Roller Service Kits for the rear locations, and attachment nuts, bolts, and washers. Part numbers for the upgrade kits end in "U".

Note: SEB95-3 REV. 1 Service Bulletin is not applicable to 172R,S, 182S,T, T182T, 206H, T206H, 208, 336 and 337 aircraft.

Flap Upgrade Kits contain bolts, nuts and washers for several aircraft models. The installer must determine the correct nut, bolt and washer combination for each installation.

Kit P/N	Qty	Part Number	Description
FLP-KT-1	8	MC0523919	Bushings
	2	MC0523920	Rollers
	6	MC0523921	Rollers
	12	MCS1450-5N12-050	Shims
	1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-1U	4	AN3-10A	Bolts
	8	AN3-11A	Bolts
	6	MC0523919	Bushings
	2	MC0523920	Rollers
	4	MC0523921	Rollers
	8	MCS14503S10-032	Wear Washers
	12	MCS1450-5N12-050	Shims
	2	MCSK100	Service Kits
	8	MS21044N3	Nuts
	8	NAS1149F0363P	Washers
	1	SEB95-3 REV. 1	Service Bulletin
	FLP-KT-2	8	MC0523919
2		MC0523920	Rollers
6		MC0523921	Rollers
2		MC1220114-2	Spacers
12		MCS1450-5N12-050	Shims
FLP-KT-2U	4	AN3-10A	Bolts
	8	AN3-11A	Bolts
	6	MC0523919	Bushings
	2	MC0523920	Rollers
	4	MC0523921	Rollers
	2	MC1220114-2	Spacers
	8	MCS14503S10-032	Wear Washers
	12	MCS1450-5N12-050	Shims
	2	MCSK100	Service Kits
	8	MS21044N3	Nuts
	8	NAS1149F0363P	Washers
	1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-3	8	MC0523919	Bushings
	2	MC0523920	Rollers
	6	MC0523921	Rollers
	4	MC1220114-1	Spacers
	1	SEB95-3 REV. 1	Service Bulletin
FLP-KT-3U	4	AN3-10A	Bolts
	8	AN3-11A	Bolts
	6	MC0523919	Bushings
	2	MC0523920	Rollers
	4	MC0523921	Rollers
	4	MC1220114-1	Spacers
FLP-KT-4	8	MCS14503S10-032	Wear Washers
	2	MCSK100	Service Kits
	8	MS21044N3	Nuts
	8	NAS1149F0363P	Washers
	1	SEB95-3 REV. 1	Service Bulletin
	12	MC0523919	Bushings
	2	MC0523920	Rollers
	10	MC0523921	Rollers
	4	MC1220114-1	Spacers
	1	SEB95-3 REV. 1	Service Bulletin

Kit P/N	Qty	Part Number	Description
FLP-KT-4U	6	AN3-10A	Bolts
	12	AN3-11A	Bolts
	8	MC0523919	Bushings
	2	MC0523920	Rollers
	6	MC0523921	Rollers
	4	MC1220114-1	Spacers
	12	MCS14503S 10-032	Wear Washers
	2	MCSK100	Service Kits
	12	MS21044N3	Nuts
	12	NAS1149F0363P	Washers
	1	SEB95-3 REV. 1	Service Bulletin
	FLP-KT-6	2	MC0523920
10		MC0523921	Rollers
12		MC0523919	Bushings
12		MCS1450-5N12-050	Shims
6		MC0523920	Rollers
6		MC0523921	Rollers
FLP-KT-7	12	MC0523919	Bushings
	12	MC0523920	Rollers
	12	MC1220114-1	Spacers
	8	MC0523919	Bushings
FLP-KT-8	2	MC0523920	Rollers
	6	MC0523921	Rollers
	4	MC1220114-1	Spacers
	12	MCS1450-5N12-050	Shims
	1	SEB95-3 REV. 1	Service Bulletin
	4	AN3-10A	Bolts
FLP-KT-8U	8	AN3-11A	Bolts
	6	MC0523919	Bushings
	2	MC0523920	Rollers
	4	MC0523921	Rollers
	4	MC1220114-1	Spacers
	8	MCS14503S10-032	Wear Washers
	12	MCS1450-5N12-050	Shims
	2	MCSK100	Service Kits
	8	MS21044N3	Nuts
	8	NAS1149F0363P	Washers
	1	SEB95-3 REV. 1	Service Bulletin
	FLP-KT-9	12	MC0523919
4		MC0523920	Rollers
8		MC0523921	Rollers
8		MC1220114-1	Spacers
1		SEB95-3 REV. 1	Service Bulletin
10		AN3-10A	Bolts
8		AN3-11A	Bolts
6		MC0523919	Bushings
4		MC0523920	Rollers
2		MC0523921	Rollers
8		MC1220114-1	Spacers
FLP-KT-9U		4	MCS14503S10-032
	6	MCSK100	Service Kits
	12	MS21044N3	Nuts
	12	NAS1149F0363P	Washers
	1	SEB95-3 REV. 1	Service Bulletin

Kit P/N	Qty	Part Number	Description	
FLP-KT-10	8	MC0523919	Bushings	
	2	MC0523920	Rollers	
	6	MC0523921	Rollers	
	4	MC1220114-1	Spacers	
	1	SEB95-3 REV. 1	Service Bulletin	
FLP-KT-10U	8	AN3-10A	Bolts	
	4	AN3-11A	Bolts	
	6	MC0523919	Bushings	
	2	MC0523920	Rollers	
	4	MC0523921	Rollers	
	4	MC1220114-1	Spacers	
	8	MCS14503S10-032	Wear Washers	
	2	MCSK100	Service Kits	
	8	MS21044N3	Nuts	
	8	NAS1149F0363P	Washers	
	1	SEB95-3 REV. 1	Service Bulletin	
	FLP-KT-11	12	MC0523919	Bushings
4		MC0523920	Rollers	
8		MC0523921	Rollers	
8		MC1220114-1	Spacers	
1		SEB95-3 REV. 1	Service Bulletin	
FLP-KT-11U	6	AN3-10A	Bolts	
	12	AN3-11A	Bolts	
	8	MC0523919	Bushings	
	4	MC0523920	Rollers	
	4	MC0523921	Rollers	
	8	MC1220114-1	Spacers	
	8	MCS14503S10-032	Wear Washers	
	4	MCSK100	Service Kits	
	12	MS21044N3	Nuts	
	12	NAS1149F0363P	Washers	
	1	SEB95-3 REV. 1	Service Bulletin	
	FLP-KT-12	4	AN3-11A	Bolts
6		AN4-11A	Bolts	
4		MC0523919	Bushings	
4		MC0523921	Rollers	
8		MCS14503S10 032	Wear Washers	
4		MS21044N3	Nuts	
6		MS21044N4	Nuts	
6		MS21442-121	Bearings	
FLP-KT-13	4	NAS1149F0332P	Washers	
	4	NAS1149F0363P	Washers	
	6	NAS1149F0432P	Washers	
	6	NAS1149F0463P	Washers	
	16	AN3-10A	Bolts	
	16	MC0523919	Bushings	
	8	MC0523920	Rollers	
	8	MC0523921	Rollers	
	32	MCS1450-5N12-050	Shims	
	16	MS21045L3	Nuts	
	FLP-KT-14	16	AN3-10A	Bolts
		16	MC0523919	Bushings
8		MC0523920	Rollers	
8		MC0523921	Rollers	
16		MC1220114-1	Spacers	
16		MS21045L3	Nuts	
FLP-KT-15	16	AN3-10A	Bolts	
	16	MC0523919	Bushings	
	8	MC0523920	Rollers	
	8	MC0523921	Rollers	
	16	MC1220114-1	Spacers	
	16	MS21044N3	Nuts	



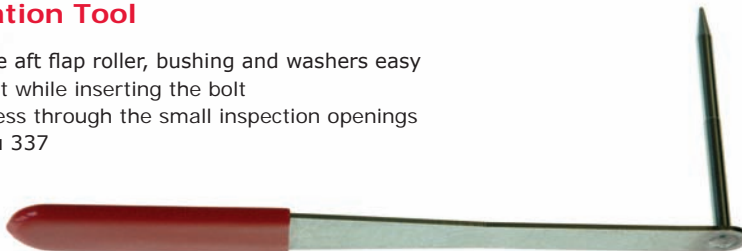
**Flap roller kits for
208 and 336/337
aircraft!**

**Save 60% on hard to find
MS21442-121 bearings!**

Flap Roller Installation Tool

P/N 970

- Makes installation of the aft flap roller, bushing and washers easy
- Holds parts in alignment while inserting the bolt
- Long handle allows access through the small inspection openings
- Use on Cessna 150 thru 337



Flight Control Surface Parts and Attaching Hardware

Rudder and Elevator Bushing Kits for Cessna Aircraft

Solves all fit problems!

McFarlane supplies two bushing sizes for each hinge location.

This allows a selective fit and solves the common Cessna fit and interference problems.

- Hardened corrosion resistant stainless steel
- Cessna models 120 thru 177
- Convenient kits include all bushings, sintered bronze bearings and hardware for one aircraft
Note: Kits do not include bellcrank bearings or bushings
- All components are also available separately



Model	Serial Number	Elevator Bushing Kit	Rudder Bushing Kit
120,140,140A	All	EBC-KT-6	RBC-KT-8
150,150A,B,C,D,E	All	EBC-KT-1	RBC-KT-1
150F,G,H,J	All	EBC-KT-1	RBC-KT-2
150K ¹ , A150K ¹	150K S/N 15071129 thru 15071621 and A150K S/N A1500001 thru A1500129	EBC-KT-1	RBC-KT-3
150K ¹ , L,M, A150K ¹ , L,M	150K S/N 15071622 thru 15072003 and A150K S/N A1500130 thru A1500226	EBC-KT-2	RBC-KT-3
A-150L, A-A150L	All	EBC-KT-2	RBC-KT-3
F150F,G,H,J	All	EBC-KT-1	RBC-KT-2
F150K,L ¹ , FA150K ¹	F150L S/N F15000659 thru F15000699 and FA150K S/N FA1500001 thru FA1500039	EBC-KT-1	RBC-KT-3
F150L ¹ ,M, FA150K ¹ ,L,M	F150L S/N F15000700 thru F15001143 and FA150K S/N FA1500040 thru FA1500081	EBC-KT-2	RBC-KT-3
FRA150L,M	All	EBC-KT-2	RBC-KT-3
152 ¹ , A152 ¹	152 S/N 15279406 thru 15285833 and A152 S/N A1520735 thru A1521025 152 S/N 15285834 thru 15286033 and A152 S/N A1521026 thru A1521049	EBC-KT-3	RBC-KT-3
F152 ¹ , FA152 ¹	F152 S/N F15201429 thru F15201943 and FA152 S/N FA1520337 thru FA1520387 F152 S/N F15201944 thru F15201980 and FA152 S/N FA1520388 thru FA1520425	EBC-KT-4	RBC-KT-3
170, 170A,B	All		RBC-KT-11
172, 175	172 S/N 28000 thru 46754 and 175 S/N 55001 thru 56238	EBC-KT-5	RBC-KT-4 or RBC-KT-4A ⁴
172A,B,C ¹ , 175A,B,C ¹	172A,B,C S/N 46755 thru 17249085 and 175A,B,C S/N 56239 thru 17557064	EBC-KT-5	RBC-KT-5
172C ¹ , 175C ¹	172C S/N 17249086 thru 17249544 and 175C S/N 17557065 thru 17557119	EBC-KT-5	RBC-KT-6
172D,E,F,G,H,I,K,L,M,N,P ¹	S/N 17249545 thru 17275963	EBC-KT-5	RBC-KT-6
172P ¹ , Q,R,S	S/N 17275964 and On	EBC-KT-5	RBC-KT-7
172RG, P172D, R172K	All	EBC-KT-5	RBC-KT-6
F172D,E,F,G,H,K,L,M,N,P ¹	S/N F172-0001 thru F17202208	EBC-KT-5	RBC-KT-6
F172P ¹	S/N F17202209 thru F17202254	EBC-KT-5	RBC-KT-7
FP172, FR172E,F,G,H,J,K	All	EBC-KT-5	RBC-KT-6
177,177A,B,177RG,F177RG	All	No kit available	MC0532104K Bushing Only

¹ Partial model eligibility.

Rudder Bushing Kit Components			
Kit P/N	Qty	Part Number	Description
RBC-KT-1	1	MCS1003-65A	Bearing
	1	MC0432003-1K	Bushing ⁵
	1	AN3-7A	Bolt
	1	NAS1149F0363P	Washer
RBC-KT-2	3	MCS1004-42A	Bearing
	3	MC0532104K	Bushing ⁵
	3	AN4-11A	Bolt
	3	NAS1149F0463P	Washer
	3	MS21042L4	Nut
	3	MCS1004-42A	Bearing
RBC-KT-3	3	MC0532104K	Bushing ⁵
	3	AN4-10A	Bolt
	3	NAS1149F0463P	Washer
	3	MS21042L4	Nut
	2	MCS1003-29A	Bearing
	2	MC0532104K	Bushing ⁵
RBC-KT-4 ²	2	AN4-11A	Bolt
	2	NAS1149F0463P ⁵	Washer
	2	MS21042L4 ⁵	Nut
	1	RBC-KT-4	Rudder Bushing Kit
RBC-KT-4A ⁴	1	AN4-13A	Bolt
	1	MS21042L4	Nut
	1	MS24462-4	Bearing
	1	NAS1149F0432P	Washer
	1	NAS1149F0463P	Washer
RBC-KT-5	2	MCS1003-29A	Bearing
	1	MCS1004-42A ²	Bearing
	3	MC0532104K	Bushing ⁵
	3	AN4-11A	Bolt
	3	NAS1149F0463P	Washer
	2	MS21042L4 ⁵	Nut
RBC-KT-6	2	MCS1003-29A	Bearing
	1	MCS1004-42A ²	Bearing
	3	MC0532104K	Bushing ⁵
	3	AN4-11A	Bolt
	2	NAS1149F0463P ⁵	Washer
	2	MS21042L4 ⁵	Nut
RBC-KT-7	2	MCS1003-29A	Bearing
	1	MCS1004-42A ²	Bearing
	3	MC0532104K	Bushing ⁵
	3	AN4-11A	Bolt
	2	NAS1149F0432P ⁵	Washer
	2	MS21042L4 ⁵	Nut
RBC-KT-8	2	MC0431119K	Bushing ⁵
	2	MCS1003-11A	Bearing
	2	AN3-7A	Bolt
	2	MS21044N3	Nut
	2	AN4-11A	Bolt
	2	MS21044N4	Nut
RBC-KT-11	2	S1K5	Bearing

Elevator Bushing Kit Components				
Kit P/N	Qty	Part Number	Description	
EBC-KT-1	2	MCS1003-65A	Bearing	
	2	MC0432003-1K	Bushing ⁵	
	2	AN3-7A	Bolt	
	2	NAS1149F0363P	Washer	
EBC-KT-2	2	MCS1003-65A	Bearing	
	2	MC0432003-1K	Bushing ⁵	
	2	AN3-7	Bolt	
	2	NAS1149F0363P	Washer	
	2	AN310-3	Nut	
	2	MS24665-132	Pin	
EBC-KT-3	2	MCS1003-65A	Bearing	
	2	MC0432003-1K	Bushing ⁵	
	2	AN3-7A	Bolt	
	2	NAS1149F0363P	Washer	
	2	MS21044N3	Nut	
	2	MCS1003-28A	Bearing	
EBC-KT-4	2	MC0432173-3K	Bushing ⁵	
	2	AN4-7A	Bolt	
	2	NAS1149F0463P	Washer	
	2	MS21042L4	Nut	
EBC-KT-5	4	MCS1003-29A	Bearing	
	4	MC0532104K	Bushing ⁵	
	4	AN4-11A	Bolt	
	4	NAS1149F0463P	Washer	
EBC-KT-6	4	MS21042L4	Nut	
	4	MC0422215	Bushing	
	4	S1997-7G8	Bearing	
	4	AN4-11A	Bolt	
		4	MS21044N4	Nut

Notes:

- ² Lower Hinge Only
- ³ Center and Lower Hinge Only
- ⁴ Kit RBC-KT-4 contains components to service the upper and middle hinges. Kit RBC-KT-4A contains components to service the upper, middle and lower (bellcrank) hinges.
- ⁵ Bushing part numbers MC0431119K, MC0432003-1K, MC0432173-3K and MC0532104K include a nominal bushing (with no "K" suffix), an oversized bushing (with a "P1" suffix), and selective fit instructions.
Example: MC0432003-1K includes nominal bushing MC0432003-1 and oversized bushing MC0432003-1P1.



Elevator and Rudder Bearing Installation Tool for Cessna Aircraft

**Makes
pressing
bearings in
or out easy!
P/N 990**

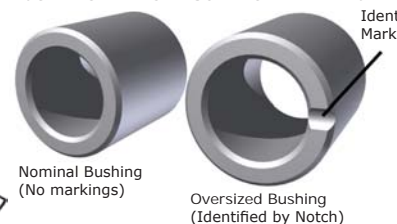


This unique tool is specifically designed to prevent damage when installing and removing **sintered bronze** rudder and elevator hinge bearings contained in kits EBC-KT-1 thru 5 and RBC-KT-1 thru 8.

- Eight piece kit for all sizes of sleeve bearings
- Heat treated stainless steel will last a lifetime
- Comes in a convenient storage pouch



CONTROL HINGE BUSHING IDENTIFICATION



Rudder and Elevator Hinge Bearing Kits for Cessna Caravan Aircraft

In stock for immediate shipment! Buy with confidence.

- Convenient kits include bearings and all attaching hardware
- Kits for aircraft equipped with and without hinge modification service kits
- One elevator kit and one rudder kit required per aircraft
- Industry standard hardware



Cessna has issued several non-mandatory service bulletins and service kits for the rudder and elevator hinge bearings on the Caravan due to a corrosion issue with the needle bearing. The service kits require modification to the hinge structure, not just the bearing itself. The new bearing is a different size than the "original" design, so the mounting hardware is different as well. Because of these structural changes any aircraft that has had the service kits installed cannot use hardware from a non-service kit aircraft. McFarlane offers kits for both configurations.

Aircraft	Serial Number	Elevator Kit P/N	Rudder Kit P/N
208	20800001 thru 20800221	EBC-KT-7 1	RBC-KT-9 3
		EBC-KT-8 2	RBC-KT-10 4
208	20800222 thru 20899999	EBC-KT-7	RBC-KT-9
208A	20800007 thru 20800102	EBC-KT-7 1	RBC-KT-9 3
		EBC-KT-8 2	RBC-KT-10 4
208B	208B0001 thru 208B0318	EBC-KT-7 1	RBC-KT-9 3
		EBC-KT-8 2	RBC-KT-10 4
208B	208B0319 thru 208B9999	EBC-KT-7	RBC-KT-9

- 1** With SK208-102, SK208-106, & SK208-107 installed.
- 2** Without SK208-102, SK208-106, & SK208-107 installed.
- 3** With SK208-99, SK208-104 and SK208-105 installed.
- 4** Without SK208-99, SK208-104 and SK208-105 installed.

Save \$\$



Kit Contents: (Components also available separately)

P/N EBC-KT-7			P/N EBC-KT-8			P/N RBC-KT-9			P/N RBC-KT-10		
Qty	Part Number	Description	Qty	Part Number	Description	Qty	Part Number	Description	Qty	Part Number	Description
4	AN4-12	Bolt	4	AN5-10	Bolt	3	AN4-12	Bolt	3	AN4-11	Bolt
1	AN4-13	Bolt	1	AN5-13	Bolt	3	MS17825-4	Nut	3	MS17825-4	Nut
5	MS17825-4	Nut	5	MS17825-5	Nut	3	MS24665-134	Cotter Pin	3	MS24462-4	Bearing
4	MS24665-134	Cotter Pin	5	MS24461-5	Bearing	3	MS27641-4	Bearing	3	MS24665-134	Cotter Pin
1	MS24665-136	Cotter Pin	4	MS24665-134	Cotter Pin	3	NAS1149F0432P	Washer	3	NAS1149F0432P	Washer
5	MS27641-4	Bearing	1	MS24665-136	Cotter Pin	6	NAS1149F0463P	Washer	6	NAS1149F0463P	Washer
4	NAS1149F0432P	Washer	10	NAS1149F0563P	Washer						
6	NAS1149F0463P	Washer									

Hinge and Bellcrank Bearing for Cessna Aircraft

Hard to find, frequently replaced! Buy from McFarlane and Save \$\$
P/N MS24462-4



Aircraft Model	Aileron Hinge Qty/Aircraft	Elevator Bellcrank Qty/Aircraft	Center Elev. Hinge Qty/Aircraft	Rudder Hinge Qty/Aircraft	Elevator Hinge Qty/Aircraft	Rudder Bellcrank Qty/Aircraft
172, 175						1
177, 177A,B, 177RG, F177RG	6					
180, 180A,B,C,D,E,F,G,H,J,K			1		4	
182, 182A,B,C,D			1		4	
182E,F,G,H,J,K,L,M,N,P,Q,R,S,T, A182J,K,L,N, F182P,Q, FR182, R182, T182, T182T, TR182			1		4 1	
185, 185A,B,C,D,E, A185E,F			1		4	
188, 188A,B, A188, A188A, A188B, T188C	6				4	
210-5 (205), 210-5A (205A)			1	1	4	
206, U206, U206A,B,C,D,E	4		1		4	
206H, T206H	4	1	1		4 2	
P206, P206A,B,C,D,E	4		1		4	
TP206A,B,C,D,E, TU206A,B,C,D,E	4		1		4	
TU206F,G, U206F,G			1		4	
207, 207A, T207, T207A	4	1	1		4	
210, 210A			1		4	
210B,C			1	1	4	
210D,E,F	4	1	1	1	4	
210G,H,J			1		4	
210K,L,M	6	1	2		4	
210N,R	6	1	1		4	
P210N	6	1	1		4	
P210R	6	1	1		4	
T210F	4	1	1	1	2	
T210G,H,J			1		4	
T210K,L,M	6	1	2		4	
T210N,R	6	1	1		4	

- 1** 182T s/n 18280945 thru 1821642; T182T s/n 18208001 thru 18208447 only
- 2** For installation on 206H, T206H s/n 20608001 thru 20608956 & T20608001 thru T20608956 only

P/N MS24461-4

Used as aileron and elevator bearings on many single engine Cessna aircraft!



P/N S1K5 Bearing, Fafnir

Aircraft Model
170, 170A,B
180, 180A,B,C,D,E,F,G,H,J,K
182, 182A,B
185, 185A,B,C,D,E, A185E,F 1
188, 188A,B
A188B 2
A188B 3 (w/ large hopper)
1 185-0001 thru 18504425
2 18802349 thru 18803856
3 18800967T thru 18803968T



Superseded Table	
4NBC6122P	USE MS24461-4
4NCC910P	USE MS24462-4
AR4-1	USE MS24462-4
NAS296-4A	USE MS24462-4
NAS505-4	USE MS24461-4
NAS506-4	USE MS24462-4