

**Brake Bleeder Valves for Cleveland and McCauley Wheels**  
 Improved - No more rust, no more rounded wrench flats

**Bleeder Screws**

- Strong heat treated 17-4 stainless steel prevents corrosion and rounding of the hex
- Increased hex size further resists rounding of the wrench hex

**Bleeder Seats**

- Stainless steel for corrosion resistance
- Type III class 3 cadmium plating sure is ugly, but it's the best protection against galvanic corrosion with the magnesium housing.

**Save \$\$\$**

**Even the Rubber Cap is Improved!**

- Improved material prevents cracking
- Shorter design results in a more secure fit

**Convenient Kits**

- Two kits required per aircraft
- Components also available separately



MCBB-KT-1		
Qty	Part Number	Description
1	MC081-00100	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap

← 1/2" Wrench  
 ← 1/8-27 NPT Thread

MCBB-KT-2		
Qty	Part Number	Description
1	MC081-00200	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap
1	MS28775-012	O-ring

← 9/16" Wrench  
 ← 7/16-20 UNF Thread

MCBB-KT-3		
Qty	Part Number	Description
1	MC081-00500	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap
1	MS28775-011	O-ring

← 9/16" Wrench  
 ← 3/8-24 UNF Thread

MCBB-KT-4		
Qty	Part Number	Description
1	MC081-00600	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap
1	NAS1612-4A	O-ring

← 13/16" Wrench  
 ← 5/8-18 UNF Thread

MCBB-KT-5		
Qty	Part Number	Description
1	MC081-30169	Bleeder Seat
1	MC079-00300	Bleeder Screw
1	MC183-00100	Needle Cap
1	MS28775-011	O-ring

← 1/2" Wrench  
 ← 3/8-24 UNF Thread

**FAA-PMA Direct Replacements**

Currently approved for most Cessna

Description	McFarlane P/N	Cleveland P/N	Cessna P/N	McCauley P/N
Bleeder Seat	MC081-00100	081-00100	37-206	A30030
Bleeder Screw	MC079-00300	079-00300	FC6446	A30085
Bleeder Seat	MC081-30169	081-30169		A30169
Needle Cap	MC183-00100	183-00100		A30040
Needle Cap	MC183-00100	183-1		A30040
Needle Cap	MC183-00100	183-0100		A30040

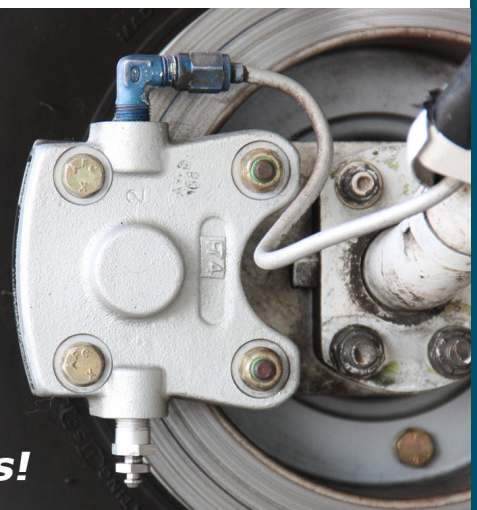
**Eligibility on the following pages**

# Brake Bleeder Valves

## Cleveland and McCauley Wheels

*Our screws, seats, and caps are available individually, or we have convenient kits!*

**Eliminate rust and rounded wrench flats!**



**Brake Bleeder Valves for Cleveland and McCauley Wheels continued from previous page**

Brake and Wheel Parts



MCBB-KT-1



MCBB-KT-2



MCBB-KT-3



MCBB-KT-4



MCBB-KT-5

Aircraft	Serial Number	When equipped with brake number or Cleveland conversion kit:	P/N
120, 140, 140A	All	Only for use with Cleveland conversion kit 199-46	MCBB-KT-1
150A,B,C,D,E,F,G,H,J,K,L,M	All		MCBB-KT-1
A150K,L,M	All		MCBB-KT-1
F150F,G,H,J,K,L,M	All		MCBB-KT-1
FA150K,L,M	All		MCBB-KT-1
152	15279406 thru 15285161	C163032-0110 or C163030-0113 (30-75)	MCBB-KT-1
	15285162 thru 15286033	C163033-0101 (C30018)	MCBB-KT-5
A152	All	C163032-0110 or C163030-0113 (30-75)	MCBB-KT-1
	A1520984 thru A1521049	C163033-0101 (C30018)	MCBB-KT-5
F152, FA152	All		MCBB-KT-1
170, 170A,B	All	Only for use with Cleveland conversion kit 199-46, 199-62, or 199-62A	MCBB-KT-1
172, 172A,B,C,D,E	All	Only for use with Cleveland conversion kit 199-46, 199-62, or 199-62A	MCBB-KT-1
172F,G,H,I,K,L,M,N	All		MCBB-KT-1
172P	17274010 thru 17275034	C163030-0111 (30-75A), C163032-0105, C163032-0113 (C30018-6) or equipped with Cleveland conversion kit 199-62, or 199-62A	MCBB-KT-1
	17275035 thru 17275868	C163033-0102 (C30764-6)	MCBB-KT-5
172Q	All	Only for use with Cleveland conversion kit 199-62, or 199-62A	MCBB-KT-1
			MCBB-KT-5
172R,S	All		MCBB-KT-1
172RG	172RG0001 thru 172RG0890		MCBB-KT-1
	172RG0891 thru 172RG1191		MCBB-KT-5
F172D,E,F,G,H,K,L,M,N,P	All		MCBB-KT-1
FR172E,F,G,H,J,K, R172E,F,G,H,K	All		MCBB-KT-1
P172D	All	Only for use with Cleveland conversion kit 199-46	MCBB-KT-1
175, 175A,B,C	All	Only for use with Cleveland conversion kit 199-46, 199-62, or 199-62A	MCBB-KT-1
177, 177A,B, 177RG, F177RG	All		MCBB-KT-1
180	All	Only for use with Cleveland conversion kit 199-46, 199-60, 199-62 or 199-62A	MCBB-KT-1
180A,B,C,D,E,F	All	Only for use with Cleveland conversion kit 199-46, 199-60, or 199-62	MCBB-KT-1
180G,H	All		MCBB-KT-1
180J	18052285 thru 18052384	1241157-1, C163030-0303 (30-52), C163030-0305 (30-52D), or C163030-0113 (30-75) or equipped with Cleveland conversion kit 199-60	MCBB-KT-1
	18052385 thru 18052770	C163030-0303 (30-52) or C163030-0113 (30-75) or equipped with Cleveland conversion kit 199-62	MCBB-KT-1
180K	All	C163032-0205 (30-52U), C163032-0206 (D30118-4), C163032-0207 (D30118-5), or C163032-0208 (D30118-6)	MCBB-KT-5
	All	C163030-0303 (30-52) or C163030-0113 (30-75) or equipped with Cleveland conversion kit 199-62	MCBB-KT-1
182	All	C163032-0205 (30-52U), C163032-0206 (D30118-4), C163032-0207 (D30118-5), or C163032-0208 (D30118-6)	MCBB-KT-5
	All	Only for use with Cleveland conversion kit 199-46	MCBB-KT-1
182A,B,C,D,E,F,G	All	Only for use with Cleveland conversion kit 199-46, 199-62, or 199-62A	MCBB-KT-1
182H,J,K,L,M,N,P,Q	All		MCBB-KT-1
182R	All		MCBB-KT-5
182S	All	Only for use with Cleveland conversion kit 199-62, or 199-62A	MCBB-KT-1
			MCBB-KT-3
182T, T182T	All		MCBB-KT-3
A182J,K,L,N	All		MCBB-KT-1
F182P,Q	All		MCBB-KT-1
FR182	All		MCBB-KT-5
R182, T182, TR182	All		MCBB-KT-5
185, 185A,B,C,D,E, A185E	All		MCBB-KT-1

Continued on next page

## Brake and Wheel Parts Brake Bleeder Valves

### Brake Bleeder Valves for Cleveland and McCauley Wheels continued from previous page



Aircraft	Serial Number	When equipped with brake number or Cleveland conversion kit:	P/N
A185F	18502091 thru 18502300	C163032-0205 (30-52U), C163032-0206 (D30118-4), C163032-0207 (D30118-5), or C163032-0208 (D30118-6)	MCBB-KT-5
	18502091 thru 18502310	1241157-1, C163030-0303 (30-52), C163030-0305 (30-52D), or C163030-0113 (30-75) or when equipped with Cleveland conversion kit 199-60 or 199-62	MCBB-KT-1
	18502311 thru 18504448	C163030-0303 (30-52) or C163030-0113 (30-75)	MCBB-KT-1
188, 188A,B, A188, A188A,B, A188B	18800001 thru 18802348	C163030-0301 (30-52B) or C163030-0302 (30-52B)	MCBB-KT-1
188, 188A,B, A188, A188A,B	18800001 thru 18802348	30-67A, C163030-0601 (30-67C), C163030-0503 (30-66A), or C163030-504 (30-66A)	MCBB-KT-2
A188B	18802349 thru 18803973		MCBB-KT-2
A188B (w/large hopper)	18800833T thru 18802348T	C163030-0301 (30-52B) or C163030-0302 (30-52B)	MCBB-KT-1
	18800833T thru 18802348T	30-67A, C163030-0601 (30-67C), C163030-0503 (30-66A), or C163030-504 (30-66A)	MCBB-KT-2
	18802349T thru 18803973T		MCBB-KT-2
T188C	All		MCBB-KT-2
190, 195, 195A,B	All	Only for use with Cleveland conversion kit 199-61	MCBB-KT-2
210-5 (205), 210-5A (205A)	All		MCBB-KT-1
206, 206H	All		MCBB-KT-1
P206, P206A,B,C,D,E	All		MCBB-KT-1
T206H	All		MCBB-KT-1
TP206A,B,C,D,E, TU206A,B,C,D,E	All		MCBB-KT-1
TU206F, U206F	U20601701 thru U20602199		MCBB-KT-1
TU206F,G, U206F,G	U20602200 thru U20607020	C163030-0303 (30-52) or C163030-0313 (30-52N) or when equipped with Cleveland conversion kit 199-62	MCBB-KT-1
	All	C163032-0205 (30-52U), C163032-0206 (D30118-4), C163032-0207 (D30118-5), or C163032-0208 (D30118-6)	MCBB-KT-5
U206, U206A,B,C,D,E	All		MCBB-KT-1
207, 207A, T207, T207A	All		MCBB-KT-1
208, 208A,B	All		MCBB-KT-3
210, 210A,B	All	Only for use with Cleveland conversion kit 199-60	MCBB-KT-1
210C,D,E,F,G,H,J,K	All		MCBB-KT-1
210L,M	All	C163030-0303 (30-52) or when equipped with Cleveland conversion kit 199-60	MCBB-KT-1
	21060090 thru 21062954	C163032-205 (30-52U) or C163032-206 (D30118-4)	MCBB-KT-5
210N	21062955 thru 21063114	121494-3 or 121494-4	MCBB-KT-2
	21063115 thru 21064135	C163030-0315 (30-52V), C163030-0316 (30-52V), 30-05220, or 30-05270	MCBB-KT-3
	21064136 thru 21065009		MCBB-KT-3
	All	C163032-209 or C163032-210	MCBB-KT-5
210R, T210R	All		MCBB-KT-3
P210N	P21000001 thru P21000150	C163032-205 (30-52U) or C163032-206 (D30118-4)	MCBB-KT-5
	P21000151 thru P21000191	121494-3 or 121494-4	MCBB-KT-2
	All	Only for use with Cleveland conversion kit 199-60 C163030-0315 (30-52V) or C163030-0316 (30-52V) or when equipped with Cleveland conversion kit 199-60A	MCBB-KT-1 MCBB-KT-3
P210R	All	C163030-0901 (30-127) or C163030-0902 (30-127)	MCBB-KT-3
T210F,G,H,J,K	All		MCBB-KT-1
T210L,M	All	C163030-0303 (30-52) or when equipped with Cleveland conversion kit 199-60	MCBB-KT-1
	21060090 thru 21062954	C163032-205 (30-52U) or C163032-206 (D30118-4)	MCBB-KT-5

**Continued on next page**

**Brake Bleeder Valves for Cleveland and McCauley Wheels continued from previous page**

Brake and Wheel Parts



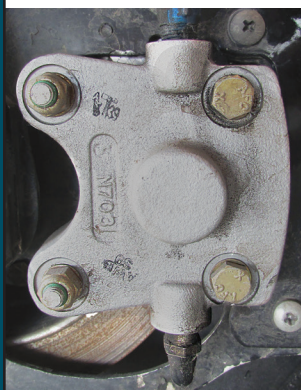
Aircraft	Serial Number	When equipped with brake number or Cleveland conversion kit:	P/N
T210N	21062955 thru 21063114	121494-3 or 121494-4	MCBB-KT-2
	21063115 thru 21064135	C163030-0315 (30-52V), C163030-0316 (30-52V), 30-05220, or 30-05270	MCBB-KT-3
	21064136 thru 21065009		MCBB-KT-3
	All	C163032-209 or C163032-210	MCBB-KT-5
310, 310B,C,D,F,G,H,I,J-1, K,L,N,P,Q	All	Only for use with Cleveland conversion kit 199-64	MCBB-KT-2
E310H,J	All	Only for use with Cleveland conversion kit 199-64	MCBB-KT-2
T310P,Q	All	Only for use with Cleveland conversion kit 199-64	MCBB-KT-2
320, 320-1, 320A,B,C,D,E,F	All	Only for use with Cleveland conversion kit 199-64	MCBB-KT-2
336	All		MCBB-KT-1
337E,F, F337E,F, FT337E,F, T337E,F	All		MCBB-KT-1
310R, T310R	All		MCBB-KT-2
335	All		MCBB-KT-2
340, 340A	All		MCBB-KT-2
401, 401A,B	All	Only for use with Cleveland conversion kit 199-72 or 199-76	MCBB-KT-2
402, 402A,B	All	Only for use with Cleveland conversion kit 199-72 or 199-76	MCBB-KT-2
402C	All		MCBB-KT-2
404	All	Only for use with Cleveland conversion kit 199-78	MCBB-KT-2
411, 411A	All		MCBB-KT-2
414, 414A	All		MCBB-KT-2
421	All	Only for use with Cleveland conversion kit 199-76	MCBB-KT-2
421C	All		MCBB-KT-2
441	All	Only for use with Cleveland conversion kit 199-115	MCBB-KT-2
500, 501	All	91891-003 (030-18902 formerly 30-189B) or when equipped with Cleveland conversion kit 199-60	MCBB-KT-4
550, 551	All	030-18902 formerly 30-189B or when equipped with Cleveland conversion kit 199-60	MCBB-KT-4
S550	All	Only for use with Cleveland conversion kit 199-177	MCBB-KT-4

**Brake Assembly and Master Cylinder Seal Kits for Cessna Aircraft**

**Kits contain the parts you need for a wide range of Cessna models**  
McFarlane has done the research so you don't have to. Now buy one kit per brake assembly or master cylinder and get the right seals for the job without wasting money on expensive parts you don't need.

**All parts are standard industry spec hardware with full traceability or Cessna original parts with 8130-3 tags**

- Expanded eligibility (188 thru 210, 337 and Caravan models)
- McFarlane original kit
- One kit per two brake calipers or one master cylinder
- Approved parts



**Save time and \$\$\$**

**Eligibility on the following page**

*Note: Master cylinder kit does not include Lock-o-Seal.*

Kit P/N	Kit Type	Qty	Component	Description
CBS-KT-2	Master Cylinder Seal Kit	1	MS28775-110	O-ring
		1	S1628-110	Backup Ring
CBS-KT-3	Master Cylinder Seal Kit	1	MS28775-112	O-ring
		1	MS28775-110	O-ring
		1	MS28775-016	O-ring
		1	S1628-110	Backup Ring
		1	600-0115-6	Stat-O-Seal
CBS-KT-4	Master Cylinder Seal Kit	1	MS28775-012	O-ring
CBS-KT-5	Brake Assembly Seal Kit	2	MS28775-224	O-ring
		2	MS28775-218	O-ring
		4	MS28775-222	O-ring
CBS-KT-6	Brake Assembly Seal Kit	1	MS28775-225	O-ring
		1	MS28775-327	O-ring
		1	MS28775-224	O-ring
		1	MS28775-222	O-ring



## Brake and Wheel Parts

### Brake Assembly and Master Cylinder Seals

### Brake Assembly and Master Cylinder Seal Kits continued from previous page

**CBS-KT-6**  
Brake Caliper Seal Kit



Aircraft Model	Serial Number	Master Cylinder Seal Kits		Brake Caliper Seal Kits		
		CBS-KT-2	CBS-KT-3	CBS-KT-4	CBS-KT-5 <sup>4</sup>	CBS-KT-6
120, 140	All			•	•	
150, 150A,B,C,D,E,F,G,H,J,K,L,M	All				•	
F150F,G,H,J,K,L,M, FA150K,L,M, FRA150L,M	All				•	
A-150L, A-A150L, A150K,L,M	All				•	
152, A152, F152,FA152	All				•	
170, 170A	All			•	•	
170B	All				•	
172, 172A,B,C,D,E,F,G,H,I,K,L,M,N <sup>1</sup>	28000 thru 17271034				•	
172N <sup>1</sup> ,P,Q	17271035 and On	•			•	
F172D,E,F,G,H,K,L,M,N <sup>1</sup>	F172-0001 thru F17201749				•	
F172N <sup>1</sup> ,P	F17201750 thru F17202254	•			•	
R172K	R1722000 thru R1722929				•	
	R1722930 thru R1723454	•			•	
FR172E,F,G,H,J	All				•	
FR172K	FR17200591 thru FR17200630				•	
	FR17200631 thru FR17200675	•			•	
R172E,F,G,H	All				•	
175, 175A,B,C	All				•	
177, 177A,B	All				•	
177RG	All	• <sup>3</sup>			•	
180, 180A,B,C,D,E,F,G,H,J,K <sup>1</sup>	30000 thru 18053000				•	
180K <sup>1</sup>	18053001 and On	•			•	
182, 182A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q <sup>1</sup>	33000 thru 18266590				•	
182Q <sup>1</sup> ,R,S,T	18266591 and On	•			•	
F182P,Q <sup>1</sup>	F18200001 thru F18200094				•	
F182Q <sup>1</sup>	F18200095 and On	•			•	
FR182	FR18200001 thru FR18200020				•	
	FR18200021 thru FR18000070	•			•	
T182, T182T, TR182	All	•			•	
185, 185A,B,C,D,E, A185E,F <sup>1</sup>	185-0001 thru 18503683				•	
A185F <sup>1</sup>	18503684 and On	•			•	
188, 188A,B, A188, A188A,B <sup>1</sup>	188-0001 thru 18803296				•	
A188B <sup>1</sup>	18803297 and On	•			•	
A188B (w/ large hopper)	18800833T thru 18803296T				•	
	18803297T and On	•			•	
206, U206, U206A,B,C,D,E,F,G, TU206A,B,C,D,E,F,G	All				•	
P206, P206A,B,C,D,E, TP206A,B,C,D,E	All				•	
206H, T2006H	All	•			•	
208, 208B	All		•		•	
210, 210A,B	All					•
210C,D,E,F,G,H,J,K,L,M, T210F,G,H,J,K,L,M	All				•	
210N,R, T210N,R	All	•			•	
337, 337A,B,C,D,E,F,G,H <sup>1</sup>	337-0002 thru 33701874				•	
337H <sup>1</sup>	33701875 and On	•			•	
T337B,C,D	All				•	

- <sup>1</sup> Partial model eligibility
- <sup>2</sup> Use this kit when NOT equipped with master cylinder assembly P/N 9882010-1
- <sup>3</sup> Use this kit when equipped with master cylinder assembly P/N 9882010-1
- <sup>4</sup> CBS-KT-5 contains eight O-rings that replace the O-rings in both brake calipers



**Brake assembly and master cylinder seal kits for Caravan brakes!**  
See complete Caravan section

