

King Air / Beech 1900 / Model 99 Brake Master Cylinder Upgrade/Repair Kit

FAA and TCCA Approved

Improve the Operational Reliability of your Aircraft

Overview

Marsh Brothers' Brake Master Cylinder upgrade & repair kit is a proactive solution that will eliminate the risk of failure due to leaks at the piston rod seal. By eliminating typical O-ring failure modes, this upgrade kit will increase the mean time between unscheduled maintenance events keeping your aircraft in the air longer, while reducing maintenance costs associated with your brake master cylinder.

Benefits

- ☑ Reduces unscheduled maintenance downtime.
- ☑ Eliminate the risks associated with typical failure modes of traditional O-rings in dynamic seal applications today.
- ☑ Marsh Brothers proprietary elastomeric polymer (Lip Seal) offers improved lower pressure sealing performance and overall cold weather performance.
- ☑ Easy to install (Tooling included): Seal compression ring, thread sleeve, & push tube.
- ☑ Long lasting.

Brake Master Cylinder Upgrade/Repair Kit



Note: The Piston is not included in this kit. Refer to the Contents section on page 2.

Approved Aircraft	Product Number	Price	Approved Models
Beechcraft® King Air®	M-03-1000	\$173.00 USD	See Page 2
Beech 1900® Aircraft	M-03-1000	\$173.00 USD	See Page 2
Model 99	M-03-1000	\$173.00 USD	See Page 2

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Approved Models

TCCA STC No. SA21-5

FAA STC No. SA04634NY

King Air

65-90	65-A90	C90	C90A	E90	F90	C90GT	H90	100
A100	B100	200	200C	200CT	200T	B200	B200C	B200CT
B200T	B200CGT	B200GT	300	300LW	B300	B300C		

Beech 1900

1900	1900C	1900D						
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Model 99

99	99A	A99	A99A	B99	C99			
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Contents

		OEM P/N 90-380001-()					
Product Number	-23						
M-03-1000	X						

Item#	MBA Part #	Description	QTY	OEM Cross Reference Part #
1	AN316-5R	Nut Rod End Jam	1	AN316-5R
2	MS16625-1100	Internal Retaining Ring	1	MS16625-1100
3	MBA-03-10000-1	Piston Rod Gland Seal	1	A57G401 / AN6227B6
4	MS28775-117	O-Ring (Static Gland)	1	01-117
5	MS28775-210	O-Ring (Piston Head)	1	01-117
6	MS28774-019	Back-Up Ring (Piston Head)	1	N/A
7	MS24665-132	Cotter Pin	1	AN380C2-2
8	MS16624-1037	External Retaining Ring	1	N/A

Note: This kit does not fit brake master cylinders manufactured by Gerdes or Paramount.

Caution: Thorseal® is made from Marsh Brothers proprietary material known as AeroLas™-Flex which is not compatible with phosphate ester hydraulic fluid, commercially known as Skydrol. Exposure to this fluid contamination will damage the seals.

Marsh Brothers Aviation, a Thomson-Gordon Group company with over 100 years of history, is a family-owned business that develops and manufactures high performance specialty bearings, seals and engineered mechanical components for the global aviation industry. These products are manufactured from Marsh Brothers' proprietary polymers and engineered to offer a variety of benefits including improved durability and lighter weight. Marsh Brothers is dedicated to designing and producing solutions that improve aircraft reliability and maintainability, while reducing its environmental impact.

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