

## FLAP ROLLER SERVICE KIT MCSK100 INFORMATION SHEET


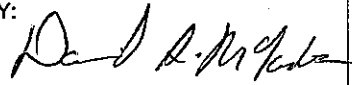
The MCSK100 Service Kit replaces the Cessna parts as shown in Figure 1 of McFarlane Aviation, Inc. Application Chart, Drawing 1058. Installation of the MCSK100 Service Kit must be accomplished using the same procedure as specified in the aircraft manufacturers published service information, Cessna Service Bulletin SEB95-3.

Experience has shown that there is a potential for wearing of the flap support arms on Cessna aircraft by the flap rollers due to the asymmetric extension or retraction of the flap during flight. This asymmetry is due to either the inboard or outboard section of the flap leading the retraction or extension of the flap. Many factors, including jammed 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. Cessna Service Bulletin SEB95-3 addresses this issue by calling for the inspection and repair or replacement of the flap support arms and rollers. 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.

McFarlane Aviation Service Kit MCSK100 is a permanent solution to the wear problem at the aft roller locations. The MCSK100 Service Kit, however, does not replace the narrower aft roller, bushing, shim and spacer assembly that is used to reduce lateral movement of the flap. The MCSK100 Service Kit replaces the aft P/N 0523919 Bushing(s) and P/N 0523921 Roller(s). The MCSK100 Service Kit does not replace the narrow roller and hardware consisting of 0523919 Bushing, 0523920 Roller, S1450-5N12-050 Shims, and 1220114-1 and 1220114-2 Spacers (spacers are not always used). The MCSK100 Service Kit does not replace the forward bushings, rollers, and S1450-3S10-032 Wear Washers required by Cessna Service Bulletin SEB95-3. For application, reference McFarlane Drawing Number 1058.

It is important that the Cessna Service Bulletin SEB95-3 is fully complied with before the MCSK100 Service Kit is installed. This Service Bulletin is available from the Cessna Aircraft Company.

Installation of McFarlane Aviation MCSK100 Service Kit(s) is considered a minor alteration and does not require the filing of FAA Form 337. An entry in the aircraft maintenance records shall be made by appropriately rated aircraft maintenance personnel upon completion of the service kit installation.

			 <p><b>McFarlane</b> Aviation Products</p> <p>EAST 1700 ROAD, BALDWIN CITY, KS 66006</p>	
<b>B</b>	02-06-05	See Drawing Revision Sheet	<p><b>SERVICE KIT MCSK100 INFORMATION SHEET</b></p> <p>APPROVED BY: </p>	
<b>A</b>	01-05-02	See Drawing Revision Sheet		
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<b>REVISION</b>			PAGE 10F 1	DRAWING NO: <b>1057</b>