

MANDATORY SERVICE BULLETIN

DATE: November 13, 2009 Service Bulletin No. 590A
(Supersedes Service Bulletin No. 590)
Engineering Aspects are
FAA Approved

SUBJECT: Use of Aircraft Boost Pump with Kelly Aerospace 200F Series (Lycoming P/N 62E23185, 62E23186, 62E23187, 62E23188, 62E23189) Fuel Pumps

MODELS AFFECTED:

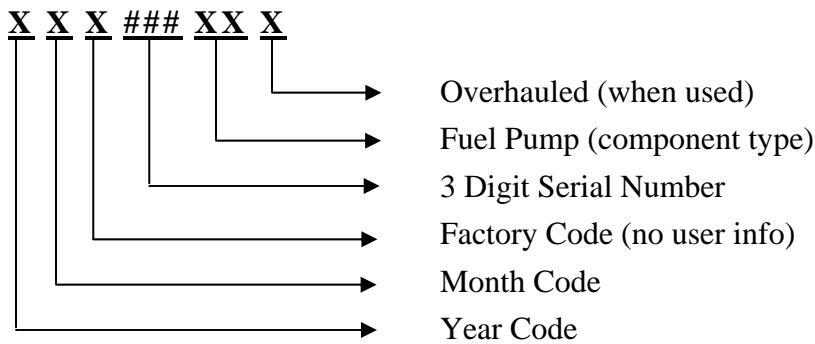
The Kelly Aerospace 200F series fuel pump models listed below that were manufactured with serial numbers LAN001FP through MFN011FP (manufacture date between January 1, 2008 and June 25, 2009) and which have accumulated ten hours or less time in service.

Lycoming Part Number	Kelly P/N	Engine Models
62E23185	200F-5001	None
62E23186	200F-5002	AEIO-540-L1B5, -L1D5 IO-540-K1E5, -M1C5, -AA1A5, AA1B5-MX1 TIO-540-A2B, -A2C, -J2B, -U2A, -AE2A, -AH1A LTIO-540-F2BD, -J2BD YAEIO-540-EXP IO-580-B1A AEIO-580-X135, X165, X197 IO-720-A1B, -B1B, -D1B, -D1C TIO-720-X
62E23187	200F-5004	TIO-540-F2BD, -J2BD, -V2AD, -X
62E23188	200F-5003	TIO-540-AA1AD LTIO-540-J2B, -U2A IO-720-D1CD
62E23189	200F-5005	IO-540-X149 TIO-540-W2A, -AJ1A LTIO-540-V2AD IO-720-A1B



ISSUED			REVISED			PAGE NO.	REVISION
MO	DAY	YEAR	MO	DAY	YEAR		
06	25	09	11	13	09	1 of 2	A

NOTE 1: The determination of the fuel pump serial number is as follows:



YEAR CODE	K = 2007, L = 2008, M = 2009, ETC.
MONTH CODE	A = JANUARY, B = FEBRUARY, C = MARCH, ETC.
SERIAL NUMBER	3 - DIGIT SEQUENTIAL NUMBER

Examples:

	PRODUCTION	FACTORY REBUILT
PART NUMBER:	200F-5004	200F-5004R
SERIAL NUMBER:	MAN001FP	KBN001FPR
DATE OF MFG.:	January, 2009	February, 2007

NOTE 2: The fuel pump model and serial number can be found on the fuel pump identification plate.

Fuel pumps that have operated properly beyond ten hours of service time are not affected by this service bulletin.

TIME OF COMPLIANCE: Affected 200F series fuel pump must be replaced before further flight. If the replacement cannot be accomplished on site, a ferry permit may be required to relocate the aircraft to a suitable facility for removal and replacement. Do not fly the aircraft unless an operational electrical boost pump is installed.

Lycoming Engines has been notified that two Kelly Aerospace 200F Series Fuel Pump have failed in the field. The two fuel pumps that failed had less than three hours of operation.

A condition may exist in the 200F series fuel pump where the tolerances of the bearing and housing bore vary outside of acceptable limits. This results in a condition wherein the shaft running clearance is reduced and may potentially cause failure of the shaft and bearing assembly in a relatively short period of less than ten hours from when the fuel pump is first placed in to service. Failure of the drive shaft will permanently disable the fuel pump.

For affected 200F series fuel pumps shipped from Lycoming as spares or engine components, contact Kelly Aerospace at:

Kelly Aerospace Energy Systems, LLC
 2900 Selma Highway
 Montgomery, AL 36108
 Phone: 1-888-461-6077
 Website: www.kellyaerospace.com

ISSUED			REVISED			PAGE NO.	REVISION	S.B. 590
MO	DAY	YEAR	MO	DAY	YEAR			
06	25	09	11	13	09	2 of 2	A	