
Service Bulletin

June 7, 1999

SEB99-7

TITLE

FUEL SELECTOR VALVE CAM REPLACEMENT

EFFECTIVITY

- A. The airplanes listed below are affected if the following parts have been installed that were shipped from Cessna on December 6, 1998 through May 10, 1999: Fuel Selector Valve Cam part number 0513123, or Fuel Selector Valve part number 0513120-5, 0513120-6, 0513120-8, 0513120-9 or 0513120-200.
- B. Uninstalled fuel selector valve cams or valves listed above in stock that were shipped from Cessna on December 6, 1998 through May 10, 1999.

<u>Model</u>	<u>Year</u>	<u>Serial Numbers</u>		
170B	1952 thru 1956	20267	thru	20999
170B	1952 thru 1956	25000	thru	27169
170B		609, 19401		
172	1956 thru 1959	28000	thru	29999
172	1956 thru 1959	36000	thru	36999
172	1956 thru 1959	46001	thru	46754
172		610, 612, 615		
172A	1960	46755	thru	47746
172A		622, 625		
172B	1961	17247747	thru	17248734
172B		630		
172C	1962	17248735	thru	17249544
172D	1963	17249545	thru	17250572
172E	1964	17250573	thru	17251822
172E		639		
172F	1965	17251823	thru	17253392
172G	1966	17253393	thru	17254892
172H	1967	17254893	thru	17256492
172H	1967	17256494	thru	17256512
172H		638		

<u>Model</u>	<u>Year</u>	<u>Serial Numbers</u>	
172I	1968	17256513	thru 17257161
172K	1969	17257162	thru 17258486
172K	1970	17258487	thru 17259223
172L	1971	17259224	thru 17259903
172L	1972	17259904	thru 17260758
172M	1973	17260759	thru 17261444
172M	1973	17261446	thru 17261577
172M	1973	17261579	thru 17261898
172M		17256493	
172M	1974	17261899	thru 17263458
P172D	1963	P17257120	thru P17257188
R172E (T41)	1967 thru 1968	R172-0001	thru R172-0335
R172F (T41)	1969	R172-0336	thru R172-0409
R172G (T41)	1969 thru 1970	R1720410	thru R1720444
R172H (T41)	1971	R1720445	thru R1720494
R172H (T41)	1972	R1720495	thru R1720546
R172H (T41)	1973 thru 1976	R1720547	thru R1720620
R172J	1974	P17257189	
R172K	1977	R1722000	thru R1722724
R172K	1978	R1722725	thru R1722929
R172K	1979	R1722930	thru R1723199
R172K		680	
R172K	1980	R1723200	thru R1723397
R172K	1980	R1723397	thru R1723399
R172K	1981	R1723400	thru R1723454
175		28700A	
175A		619	
175C	1962	17557003	thru 17557119
177	1968	17700001	
177	1968	17700003	thru 17701164
177		661	
177A	1969	17701165	thru 17701370
177B	1970	17701371	thru 17701471
177B	1970	17701473	thru 17701530
177B	1971	17701531	thru 17701633
177B		17700002	
177B	1972	17701634	thru 17701773
177B	1973	17701774	thru 17701973
177B	1974	17701974	thru 17702123
177B	1975	17702124	thru 17702313

<u>Model</u>	<u>Year</u>	<u>Serial Numbers</u>
177B		17701472
177B	1976	17702314 thru 17702522
177B	1977	17702523 thru 17702672
177B	1978	17702673 thru 17702752
F172D	1963	F172-0001 thru F172-0018
F172E	1964	F172-0019 thru F172-0085
F172F	1965	F172-0086 thru F172-0179
F172G	1966	F172-0180 thru F172-0319
F172H	1967	F172-0320 thru F172-0431
F172H	1967	F172-0436 thru F172-0442
F172H	1967	F172-0444 thru F172-0446
F172H	1968	F172-0432 thru F172-0435
F172H	1968	F172-0443
F172H	1968	F172-0447 thru F172-0559
F172H	1969	F172-0560 thru F172-0654
F172H	1970	F17200655 thru F17200754
F172K	1971	F17200755 thru F17200804
F172L	1972	F17200805 thru F17200904
F172M	1973	F17200905 thru F17201034
F172M	1974	F17201035 thru F17201234
FP172	1963	FP172-0001 thru FP172-0003
FR172E	1968	FR17200001 thru FR17200060
FR172F	1969	FR17200061 thru FR17200145
FR172G	1970	FR17200146 thru FR17200225
FR172H	1971	FR17200226 thru FR17200275
FR172H	1972	FR17200276 thru FR17200350
FR172J	1973	FR17200351 thru FR17200440
FR172J	1974	FR17200441 thru FR17200530
FR172J	1975	FR17200531 thru FR17200559
FR172J	1976	FR17200560 thru FR17200590
FR172K	1977	FR17200591 thru FR17200620
FR172K	1978	FR17200621 thru FR17200630
FR172K	1979	FR17200631 thru FR17200655
FR172K	1980	FR17200656 thru FR17200665
FR172K	1981	FR17200666 thru FR17200675

PURPOSE

To inspect for and remove from service part number 0513123 Fuel Selector Valve Cams that were shipped from Cessna on December 6, 1998 through May 10, 1999. The suspect cams were shipped individually or installed in the fuel selector valve assemblies identified in the Effectivity section. These cams may have been machined with an offset cam lobe which could result in the potential for an uneven flow of fuel from the airplane fuel tanks and/or fuel flow stoppage when the fuel selector valve is placed in the "BOTH" position. This condition, if not corrected, could cause partial or complete loss of engine power.

COMPLIANCE

Mandatory:

Within the next 5 hours of operation or 30 days, whichever occurs first, determine if the installed fuel selector valve and/or cam is suspect. If the fuel selector valve and/or cam is suspect, the cam shall be replaced prior to further flight.

APPROVAL

FAA approval has been obtained on technical data in this publication that affects airplane type design.

For Reims Aviation airplanes: DGAC approval has been obtained on technical data in this publication that affects airplane type design.

MAN-HOURS

3.5 man-hours to remove and replace an affected fuel selector valve cam.

MATERIAL

The following are available from Cessna Parts Distribution through an appropriate Cessna Service Station for the suggested list price shown.

<u>Part Number</u>	<u>Description</u>	<u>Qty/Airplane</u>	<u>Price</u>
0513125	Gasket	1	\$ 1.92 (S) ea.
0513123	Cam	1	\$ 73.40 (S) ea.
M83248/1-010	O-Ring	1	\$ 0.12 (A) ea.
NAS561P3-8	Roll Pin	1	\$ 0.39 (PS) ea.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

ACCOMPLISHMENT INSTRUCTIONS

1. Review the airplane paperwork such as logbooks and/or applicable work orders and sales/shipping receipts to ensure that the installed fuel selector valve and/or cam is affected as described in the Effectivity section of this service bulletin.
 - A. If the fuel selector valve and/or cam is not affected, proceed to Step 2.
 - B. If the fuel selector valve and/or cam is affected, the cam shall be replaced prior to further flight:
 - (1) Gain access to and replace the affected fuel selector valve cam. (Refer to applicable airplane Service/Maintenance Manual and Illustrated Parts Catalog.)

NOTE: When defueling the airplane for fuel valve cam replacement, move the fuel selector valve to the left and right positions to ensure all fuel is drained from the fuel lines.
 - (2) Perform an operational and leak check of the fuel selector valve and any systems that were disturbed to accomplish this procedure.
2. Make an entry in the appropriate logbook stating compliance and method of compliance with this service bulletin.

CREDIT

Any affected 0513123 Fuel Selector Valve Cam and/or 0513120-5, -6, -8,-9 or -200 Fuel Selector Valve in Service Station stock should be returned to Cessna Warranty Administration for credit per standard procedures.

Applicable parts credit and a labor allowance credit of 3.5 man-hours will be provided to remove and replace the affected fuel selector valve cam.

To receive credit, the work must be completed and a Quick Claim must be submitted by a Single Engine Service Station before the dates shown below. Any removed cam must be returned with the Quick Claim.

Domestic	October 7, 1999
International	December 7, 1999

OWNER NOTIFICATION

On June 7, 1999 the following Owner Advisory message will be sent to applicable owners of record in SEB99-7A.

Dear Cessna Owner:

This message is to provide notification that your airplane may be affected by Service Bulletin SEB99-7 if the following parts have been installed that were shipped from Cessna on December 6, 1998 through May 10, 1999: Fuel Selector Valve Cam part number 0513123, or Fuel Selector Valve part number 0513120-5, 0513120-6, 0513120-8, 0513120-9 or 0513120-200. The cams were shipped individually or were installed in the fuel selector valves.

The suspect cams may have been machined with an offset cam lobe which could result in the potential for an uneven flow of fuel from the airplane fuel tanks and/or fuel flow stoppage when the fuel selector valve is placed in the "BOTH" position. This condition, if not corrected, could cause partial or complete loss of engine power. The suspect cams affected by SEB99-7 shall be replaced.

Compliance is mandatory:

Within the next 5 hours of operation or 30 days, whichever occurs first, determine if the installed fuel selector valve and/or cam is suspect. If the fuel selector valve and/or cam is suspect, the cam shall be replaced prior to further flight.

Applicable parts credit and a labor allowance credit of 3.5 man-hours will be provided to remove and replace the affected fuel selector valve cam.

To receive credit, the work must be completed and a Quick Claim must be submitted by a Single Engine Service Station before the dates shown below.

Domestic		October 7, 1999
International		December 7, 1999

Please contact a Cessna Single Engine Service Station for detailed information and make arrangements to have Service Bulletin SEB99-7 accomplished on your airplane.

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