

***F&M ENTERPRISES INC.
FILTERED OIL WITH NO "STRINGS" ATTACHED!***

***CONGRATULATIONS ON YOUR PURCHASE OF
MODEL C6LC-L
OIL FILTER ADAPTER!***

***You have made an investment that your aircraft engine will appreciate
for many hours to come!***

Carefully read the following applicability chart to verify *F&M Enterprises Inc.* Model C6LC-L oil filter adapter is S.T.C.ed for you aircraft engine.

Model C6LC-L
Engines
O-470 series
IO-470 series
IO-520 series
IO-550 series

Should you have any questions about our products, please call us at 888-317-5222.

Limited Warranty

F&M Enterprises Inc. warrants to the consumer that this oil filter adapter is free from manufacturer defects in material or workmanship for a period of 90 days from the date of the original purchase by the consumer, when installed in compliance with directions as outlined in the manufacturer's "Installation Instructions", which will constitute reasonable and necessary care in the installation and use of this product.

In case of manufacturer defects in material or workmanship, F&M Enterprises Inc. will replace the product to the extent of the preceding terms.

No responsibility is assumed for Incidental or Consequential damages or damage due to improper installation or misuse of this product or from failure to follow the engine manufacturer's recommendations regarding the care and operation of the engine.

MODEL C6LC-L INSTALLATION INSTRUCTIONS

- I. Verify all parts are included with your oil filter adapter system.

Quantity	Part No.	Description
1	C6LC-2L	Oil filter adapter body
1	C6LC-3L	Oil transfer cylinder
1	AA-48108-2	Tempest oil filter
1	AN900-28	Copper crush gasket
1	FM-07	Fiber gasket
1	SE09356SC	Supplemental Type Certificate

- II. Remove the cowling in accordance to airframe manufactures instructions.
- III. Thoroughly clean the threads of the oil screen housing.
- IV. Lightly coat the oil transfer cylinder with engine oil to prevent galling.
- V. Slide the copper crush gasket (with the open side facing the flange of the oil transfer cylinder) onto the oil transfer cylinder.
- VI. Insert the oil transfer cylinder into the opening of the oil filter adapter body. When properly installed, the orientation of the filter will be away from the accessory case.
- VII. Carefully slide the fiber gasket onto the oil transfer cylinder. **Do not use gasket compounds or glues!**
- VIII. Thread the oil transfer cylinder into the oil screen housing. Position the oil filter adapter body to provide at least 3/8" clearance around the end oil filter. **Torque to 65 ft./lbs.**
- IX. Thread the oil filter onto the stud of the oil filter adapter, in accordance with the oil filter manufacturer's installation instructions.
- X. Safety-wire the oil transfer cylinder to an accessible location on the accessory case. Safety-wire the oil filter to the safety wire lug on the base of the oil filter adapter body.
- XI. Verify oil quantity in accordance with the engine manufacturer's instructions. Start the engine and check for oil leaks around the oil filter adapter and oil filter. If no leaks are detected, verify the engine manufacturer's recommended oil quantity, replace the cowling in accordance to the airframe manufacturer's installation instructions, and enjoy the benefits of filtered oil. **Re-torque the oil filter adapter after 10 hours of operation!**

The following statement must be added to the back of **Form 337**.
WARNING! 3/8" clearance must be maintained around the filter can. The approved oil filters for this installation are: *Champion CH48108-1, Tempest AA-48108-2, Kelly ES-48108-1, and Challenger Aviation CP-48108-C.*



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5.0 SERVICING INFORMATION

Change oil and filter in accordance with the engine manufacturer's recommendations. F & M may be contacted at the following address for questions regarding the installation, operation, and servicing of the oil filter adapter.

F & M Enterprises
Box 3052
Borger, Texas 79008
TEL 1.888.317.5222
www.fm-enterprises.com

6.0 MAINTENANCE INSTRUCTIONS

Perform the following inspections at each annual inspection or 100 hour inspection whichever occurs first.

6.1 INSPECT FOR OIL SEEPAGE

Inspect the oil filter adapter and joints for oil seepage. If oil seepage is detected, remove the safety wire and replace gaskets. Re-install the oil filter adapter in accordance with F & M Installation Instructions using new gaskets. Following replacement of gaskets and installation of the oil filter adapter, run the engine and check integrity of joints for leakage.

6.2 INSPECT SAFETY WIRE

Check security and integrity of safety wire. If worn or loose, remove and replace the safety wire. Retorque the adapter in accordance with F & M's Installation Instructions and replace safety wire.

6.3 INSPECT INTEGRITY OF FIT

Check and verify the adapter will not rotate when pressure is applied to rotate the adapter. If the adapter moves, remove the safety wire and re-torque the adapter in accordance with F & M's Installation Instructions and secure with safety wire. Run the engine afterwards to verify no leakage.

6.4 RECORD LOG BOOK ENTRY

Record results of the maintenance inspections in the log book.

7.0 REMOVAL AND REPLACEMENT INFORMATION

Refer to F & M Enterprises Installation Instructions for the specific adapter listed in Section 2.0.



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8.0 OIL AND FILTER CHANGE INTERVAL

Change oil and filter in accordance with the engine manufacturer's recommendations.

8.1 GASKETS OIL FILTER ADAPTER

CAUTION.....New gaskets are to be installed anytime the oil filter adapter assembly is removed from the engine and re-installed. Replace gaskets at 300 hours or 3 years whichever occurs first. Refer to the respective F&M Installation Instructions for gasket part numbers.

9.0 DIAGRAMS

Refer to CMI's overhaul, service and maintenance instructions for applicable engine diagrams.

10.0 LIST OF SPECIAL TOOLS

The oil filter adapter may be installed and removed using standard tools. A torque wrench is required.

11.0 RECOMMENDED OVERHAUL PERIODS

Recommended time between overhaul for the F&M oil filter adapters listed in Table 1.0 is the same as identified in CMI data for the affected engine models. Refer to CMI's service instructions for engine overhaul period.

12.0 AIRWORTHINESS LIMITATIONS

NOTE: The Airworthiness Limitations section is FAA approved and specifies maintenance required under Parts 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

There are no mandatory replacement times for the parts described by this ICAW.

13.0 REVISIONS

Revisions to this document are listed and described in the Log of Revisions contained at the beginning of this document. The latest revision may be accessed at the F & M Enterprises website www.fm-enterprises.com.

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