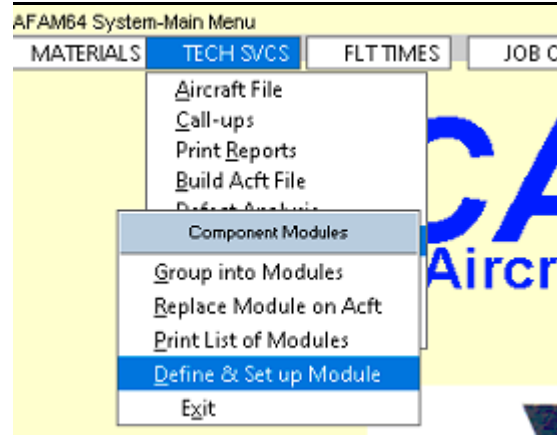


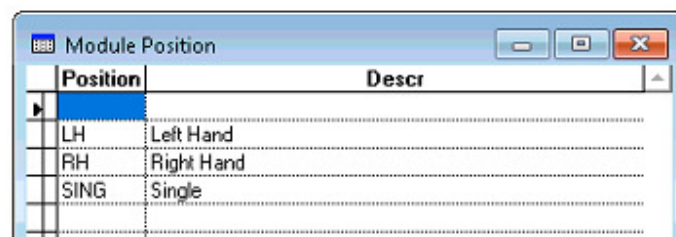
# USING MODULES SYSTEM IN CAFAM

## 1. FIRST DEFINE & SET-UP THE MODULES YOU WILL BE CONTROLLING

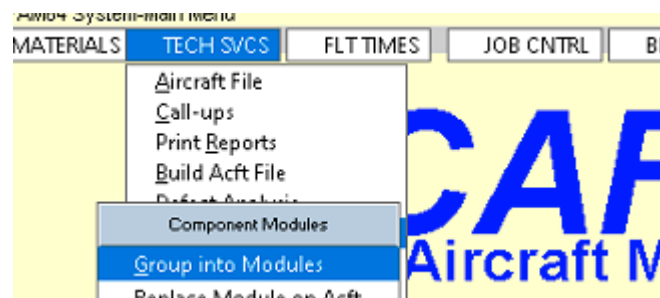


N = nose  
S = Spare

G1 = Gas Gen next  
etc...



## 2. THEN GROUP YOUR COMPONENTS INTO THE MODULES



GROUP MODULES BY

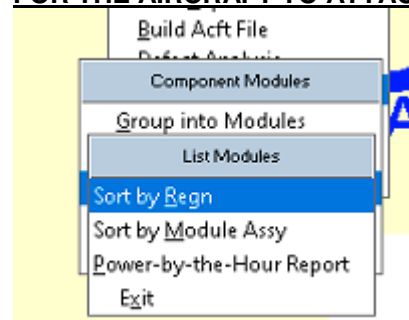
Position ADD Spare Cancel

Tag the list of components under the appropriate module name e.g. SING

Regn : G-HAMR	Owner : HAMR	Hrs New: 1
Type : PIPER PA-28-161		Landing:
Serial: 28-8416077	YrManf: 1984	Cycles :

Rotable Component on G-HAMR					
	Position	Descr	Partno	Serial	Status
		TURNCOORDIN	1394T100-7Z	K06-11080	G-HAMR
	SING	CARBURETOR	10-5217	MS0UVD16	G-HAMR
		STARTER	149NL	H-X062341	G-HAMR
	SING	STARTER	149NL	H-X081511	G-HAMR
	SING	ALTERNATOR	4111810R	H-V091403	G-HAMR
	SING	MAGNETO	4370	K-06094	G-HAMR
		MAGNETO	4370	21110469	G-HAMR
	SING	MAGNETO	4371	22081007	G-HAMR
		MAGNETO	4371	23041212	G-HAMR
		OIL COOLER	8000075	14737	G-HAMR
	SING	FUEL PUMP	AF15472	0D4H0	G-HAMR
	SING	CAMSHAFT	LW18837-R	185505	G-HAMR
	SING	ENGINE	O-320-D3G	RL-12595-39A	G-HAMR
		ENGINE	O-320-D3G	RL-18259-39A	G-HAMR
		CARBURETOR	10-5217	MS11VP23	G-HAMR

### 3. WHEN READY TO SEND MODULE FOR REPAIR PRINT OUT THE MODULE LISTING FOR THE AIRCRAFT TO ATTACH WITH THE PO



it Calib.  
iry

CAFAM System

Aircraft  
Module Assy

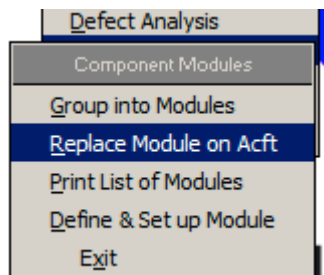
G-HAMR  
SING

#### COMPONENT MODULES

Aircraft = G-HAMR , Module = SING

				TOTAL HRS	TOTAL CYCLD	MAINT SCHEDULE TBO			REMAIN TO NEXT OH			SCRAP LIFE REMAINING
PART NO	DESCR	AIRCRAFT	SERIAL NO			HRS	DAYS	CYLD	HRS	DAYS	CYLD	
<b>Aircraft G-HAMR</b>												
<b>Module SING Single</b>												
10-5217	CARBURETOR	G-HAMR	MS0UVD16	908.50	0	2000	0	0	1091	0	OC	
149NL	STARTER	G-HAMR	H-X081511	198.20	0	0	0	0	OC	0	OC	
4111810R	ALTERNATOR	G-HAMR	H-V091403	908.50	0	0	0	0	OC	0	OC	
4370	MAGNETO	G-HAMR	K-06094	252.60	0	2000	0	0	1747	0	OC	
4371	MAGNETO	G-HAMR	22081007	234.50	0	2000	0	0	1265	0	OC	
AF15472	FUEL PUMP	G-HAMR	0D4H0	2689.20	0	0	0	0	OC	0	OC	
LW18837-R	CAMSHAFT	G-HAMR	185505	2689.20	0	0	0	0	OC	0	OC	
O-320-D3G	ENGINE	G-HAMR	RL-12595-39A	2689.20	0	2000	4380	0	-689	1954	OC	

#### 4. REMOVAL OF MODULE



**REPLACE MODULE ON AIRCRAFT**

Regn : G-HAMR	Owner : HAMR	Hrs New: 12384.2
Type : PIPER PA-28-161		Landing: 0
Serial: 28-8416077	YrManf: 1984	Cycles : 0 Fat

CAFAM System

Main Part Number

Enter Serial No

Will present with list of items to Tag Y/N to remove

**REPLACE MODULE ON AIRCRAFT**

Regn : G-HAMR	Owner : HAMR	Hrs New: 12384.2
Type : PIPER PA-28-161		Landing: 0
Serial: 28-8416077	YrManf: 1984	Cycles : 0 Fatg

SING - Single

	Curr	Partno	TAG?Y/N	Description	Serial	Status
▶	SING	10-5217	N	CARBURETOR	MS0UVD16	G-HAMR
	SING	149NL	N	STARTER	H-X081511	G-HAMR
	SING	4111810R	N	ALTERNATOR	H-V091403	G-HAMR
	SING	4370	Y	MAGNETO	K-06094	G-HAMR
	SING	4371	Y	MAGNETO	22081007	G-HAMR
	SING	AF15472	Y	FUEL PUMP	OD4H0	G-HAMR
	SING	LW18837-R	Y	CAMSHAFT	185505	G-HAMR
	SING	Q-320-D3G	Y	ENGINE	RL-12595-39A	G-HAMR

Will offer to move items to QUARANTINE under a Self-generated number in this example QUAR0004

## HELPFUL NOTES

If the module is coming OFF the Aircraft, then use the system reserved word

**'QUAR'nnnn**

where 'nnnn' is a system generated reference number to keep the items in the module together for re-fittment later as a group. The use of the word 'QUAR' has a special meaning in this menu. It is a 'holding' area for the module

Tag Items to be Moved to : **QUAR0004**  
TAGGED items being moved to : **SING TO : SING**  
Date **23/07/2024**

OK

Cancel

TAGGED Items Removed From : **G-HAMR**  
TAGGED items being fitted to: **QUAR0004**  
Date **23/07/2024**

OK

Can

## 5. WHEN CHECKED UNDER STOCK CONTROL COMPONENT WILL SHOW FITTED TO QUAR0004

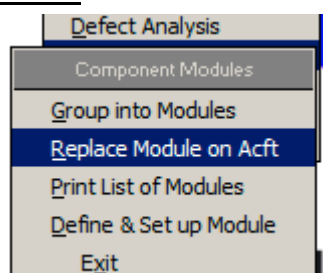
CANNAM system									
ROTABLE	ITEM	-	DISPOSED	23/07/2024	Total Stock: 1				
P/No	O-320-D3G	S/No	RL-12595-39A	ATA					
Descr	ENGINE	Iss	ShelfExp						
Cond	OH	O/Typ	Code	GG	GRN	QUAR0004	PDE		
Bin			Owner	ACS	Qty Stk	0 EA			
Supp			Manfg	LYC	Buy	0.00	S		
TTSN	2689.2		Min Qt	0	Sell	32356.19	T		
max	0		Cost Cd	NOBANT	Cost	0.00	C		

A) Next step would be to raise the PO on the main component beng sent away e.g.. The Engine above and also attach the Module listing from step 3 above

B) On receiving the Engine back go through the steps of booking the Engine to stock and when ready issue it out to the Aircraft under normal Stock Issue

C). Next step is to marry the Engine booked out with the Module of Components that were originally removed with it. To do this you will need to temporarily edit the Component in Stock Control to change the Aircraft Regn that it was issued to the number as where the Modules are parked i.e. QUAR0004.

## 6.TO REFIT THE MODULE GO TO



and retrieve the module by entering the QUARnnnn Number i.e. QUAR0004

CAFAM System

**REPLACE MODULE ON AIRCRAFT**

Regn : <input type="text" value="quar0004"/>	Owner :	Hrs New:
Type :	YrManf:	Landing:
Serial:		Cycles :

CAFAM System

Main Part Number

Enter Serial No

CAFAM System

**REPLACE MODULE ON AIRCRAFT**

Regn : <input type="text" value="QUAR0004"/>	Owner :	Hrs New:
Type :		Landing:
Serial:		

	Curr	Partno	TAG?Y/N	Description	Serial	Status
		O-320-D3G		ENGINE	RL-12595-39A	QUAR0004
	SING	4370		MAGNETO	K-06094	QUAR0004
	SING	4371		MAGNETO	22081007	QUAR0004
	SING	AF15472		FUEL PUMP	0D4H0	QUAR0004
	SING	LW18837-R		CAMSHAFT	185505	QUAR0004

Ensure Module position is matched ie "SING" and Tag the list to refit as required

SING - Single

	Curr	Partno	TAG?Y/N	Description	Serial	Status
	SING	4370	Y	MAGNETO	K-06094	QUAR0004
	SING	4371	Y	MAGNETO	22081007	QUAR0004
	SING	AF15472	N	FUEL PUMP	0D4H0	QUAR0004
	SING	LW18837-R	N	CAMSHAFT	185505	QUAR0004
	SING	O-320-D3G	Y	ENGINE	RL-12595-39A	QUAR0004

The above assumes all the Components came back with the returning Engine. If there are Components that were replaced, then it will be necessary to first add these before installing the Module on the Aircraft. To do this, go to ADD Spare as follows:



enter the QUAR Number in question here

CAFAM System

**GROUP BY ADD (Spare)**

Regn : QUAR0004	Owner :	Hrs New:
Type :	YrManf:	Landing:
Serial:		Cycles :

CAFAM System

Main Part Number O320D3G

Enter Serial No RL-12595-39A

CAFAM System

**GROUP BY ADD (Spare) to O-320-D3G, ENGINE, S/no RL-12595-39A SING**

Regn : QUAR0004	Owner :	Hrs New:
Type :	YrManf:	Landing:
Serial:		Cycles :

P/No	Ftd on	Owner
Descr	Job No	Code
S/n ON	Positn	Manf
GRN	DfctNo	ATA

CAFAM System

**INSTALL SUB-MODULE**

PART NO FITTED AF15472



Screen will change to allow the creation of a new Component being fitted

CAFAM System

**GROUP BY ADD (Spare)** to O-320-D3G, ENGINE, S/no RL-12595-39A SING

Regn : <input type="text" value="QUAR0004"/>	Owner :	Hrs New:	Current at
Type :	YrManf:	Landing:	
Serial:		Cycles :	Fatg.Tm:

**Installed Component**

P/No <input type="text" value="AF15472"/>	Ftd on <input type="text" value="23/07/2024"/>	Owner <input type="text" value="ACS"/>
Descr <input type="text" value="FUEL PUMP"/>	Job No <input type="text" value="N/A"/>	Code <input type="text" value="CR"/>
S/n ON <input type="text" value="3333"/>	Positn <input type="text" value="SING"/> Condn <input type="text"/>	Manf <input type="text" value="ATA"/>
GRN <input type="text" value="N/A"/>	DfctNo <input type="text" value="N/A"/>	

Source  Hours  Ldg/Cycs  Days

Sched Maint at  Time remaining  Next Maint

Comment

OK Cancel Memos

Once all the new components have been created go back to the "Replace Module on Acft" Screen and enter the QUAR0004 Number to recall all the items on the list and TAG Y/N those that will be re-fitted to the Aircraft and edit those that will be removed

CAFAM System

**REPLACE MODULE ON AIRCRAFT**

Regn : <input type="text" value="quar0004"/>	Owner :	Hrs New:
Type :		Landing:
Serial:		

**SING - Single**

	Curr	Partno	TAG?Y/N	Description	Serial	Status
<input type="checkbox"/>	SING	4111810R	Y	ALTERNATOR	H-V091403	QUAR0004
<input type="checkbox"/>	SING	4370	Y	MAGNETO	K-06094	QUAR0004
<input type="checkbox"/>	SING	4371	Y	MAGNETO	22081007	QUAR0004
<input checked="" type="checkbox"/>	SING	AF15472	N	FUEL PUMP	0D4H0	NORVIC
<input type="checkbox"/>	SING	AF15472	Y	FUEL PUMP	3333	QUAR0004
<input type="checkbox"/>	SING	LW18837-R	N	CAMSHAFT	185505	NORVIC
<input type="checkbox"/>	SING	O-320-D3G	Y	ENGINE	RL-12595-39A	QUAR0004

You can free text edit the status for those items tagged "N"

*NOTE That you cannot edit the Status to be a live Aircraft in the Aircraft file. You can only free text this to be something else e.g. a Supplier or Repair Agency or just leave it QUAR*

CAFAM System		
REPLACE MODULE ON AIRCRAFT		
Regn : <input type="text" value="quar0004"/>	Owner :	Hrs New: C
Type :	YrManf:	Landing:
Serial:		Cycles : Fatc

### HELPFUL NOTES

If the module is coming OFF the Aircraft, then use the system reserved word  
**'QUAR'nnnn**

where 'nnnn' is a system generated reference number to keep the items in the module together for re-fitment later as a group. The use of the word 'QUAR' has a special meaning in this menu. It is a 'holding' area for the module

Tag Items to be Moved to :   
 TAGGED items being moved to :   
 Date

Enter the Aircraft where the QUARnnnn module is being moved to. items tagged with "Y" will fit themselves back on to the Aircraft

### 7. CREATING A NEW SPARE MODULE

There might be an occasion when you might want to prepare a Module in anticipation for installing on to the Aircraft later. This would be a Spare Module comprising Components all readied for subsequent installation

TO DO THIS SELECT

CAFAM System	
<ul style="list-style-type: none"> <li>Direct Analysis</li> <li>Module Replacemnt</li> <li>Log Book Ent</li> <li>Equipment C</li> <li>Tech Library</li> </ul>	<p>GROUP MODULES BY</p> <p> <input type="text" value="Position"/> <input type="text" value="ADD Spare"/> <input type="text" value="Cancel"/> </p>

Leave "NEXT Q NO" as default unless you want to add further Components to a previous defined QUARnnnn Module in which case enter the Number here



CAFAM System		
GROUP BY ADD (Spare)		
Regn : <input type="text" value="NextQ-No"/>	Owner :	Hrs New:
Type :		Landing:
Serial:	YrManf:	Cycles :
....Enter actual A/c Regn if applicable, or previous QUARxxxx No.		

Next enter the main number to create the module QUAR00006.

*NOTE that if the main item (e.g. the Engine itself) is not present, there is nothing to stop you from creating all the other Components ie awaiting the main item later through the usual process of a PO, Book-into-Stock, and Issue to the Aircraft. Then all that would remain is to edit this item in the inventory control screen to match the QUARnnnn just created ie QUAR0006*

CAFAM System			
GROUP BY ADD (Spare)			
Regn : <input type="text" value="QUAR0006"/>	Owner :	Hrs New:	Current
Type :		Landing:	
Serial:	YrManf:	Cycles :	Fatg.Tm

CAFAM System	
Main Part Number	<input type="text" value="0-320-D3G"/>
Enter Serial No	<input type="text" value="LW-123456"/>
<input type="button" value="Add New P/nd"/> <input type="button" value="Search"/> <input type="button" value="Cancel"/>	

If the item is not found then you will be offered an option to search or add a new Part

Main Part Number	<input type="text" value="0-320-D3G"/>
Enter Serial No	<input type="text" value="LW-123456"/>
Enter Position	<input type="text" value="SING"/>

Regn : <b>QUAR0006</b>	Owner :	Hrs New:	Current a
Type :	YrManf:	Landing:	
Serial:		Cycles :	Fatg.Tm:

P/No	Ftd on	Owner
Descr	Job No	Code
S/n ON		
GRN		

**CAFAM System**

INSTALL SUB-MODULE

PART NO FITTED

Where the screen changes to the Component Control Screen to enter the details

Serial:	YrManf:	Cycles :	Fatg.Tm:
---------	---------	----------	----------

<b>Installed Component</b>		Ftd on	28/07/2024	Owner	ACS
P/No	O-320-D3G	Job No	N/A	Code	LY
Descr	ENGINE	Positn	SING Condtn	Manf	LYC
S/n ON	LW-123456	DfctNo	N/A	ATA	-
GRN	N/A				

Source	LYCOMING	Hours	Ldg/Cy	Days	Total Info since New
Sched Maint at	2000	0	0	0	Track Hrs <input checked="" type="checkbox"/> Cyc/Ldg <input checked="" type="checkbox"/>
Time remaining	2000.00	0	/	/	Hours 0.00
Next Maint	ON GR 24	C/Up Ref			Ldg/Cy 0
					Scrap@ 0
					1st Instld / /
					Scrap on / /

Comment

Proceed to complete the details same as you would have for Component Control as found in the Aircraft Menu

On completion of the record above , CAFAM will prompt you for the next item to fit on to the module QUAR00006

**CAFAM System**

INSTALL SUB-MODULE

PART NO FITTED

Continue as required until you have completed all the items that belong to QUAR0006.

When ready you can now fit QUAR0006 to an Aircraft using the preceding steps under "Replace Module on Aircraft"

-END-