



## MATERIAL

### H3 SERIES COACHES AND MOTORHOMES EQUIPPED WITH CENTRAL HVAC SYSTEM

Kit #053653 includes the following parts:

Part No.	Description	Qty
053654	HOSE, 80" (2050mm) long	1
053655	HOSE, 24" (600mm) long	1
500261	WASHER, FLAT 3/8" ID x 1 1/2" OD	2
500942	WASHER, LOCK	4
502847	NUT M8-1.25 NYRT	2
502851	NUT M8-1.25 N500	1
504016	NYLON TIE, 14 1/2"	3
504230	CLAMP, HOSE SS .375" x .875"	1
507383	MOUNT, CABLE TIE	3
557067	COOLANT TANK, AUXILIARY	1
5001448	WASHER, FLAT SS18-8 11/32x.875x.062	2
5001736	WASHER, FLAT 8.4mm ID x 18mm OD	3
5001745	SCREW, CAP M8-1.25x25 G8.8	4

### H3 VIP MOTORHOMES EQUIPPED WITH SMALL HVAC SYSTEM

Kit #053656 includes the following parts:

Part No.	Description	Qty
053654	HOSE, 80" (2050mm) long	1
053655	HOSE, 24" (600mm) long	1
053657	SUPPORT, AUXILIARY COOLANT TANK	1
500261	WASHER, FLAT 3/8" ID x 1 1/2" OD	4
500942	WASHER, LOCK	1
502847	NUT M8-1.25 NYRT	6
502851	NUT HEX N500 M8-1.25	1
504016	NYLON TIE, 14 1/2"	2
504230	CLAMP HOSE SS/CS 0.375" - 0.875"	1
557067	COOLANT TANK, AUXILIARY H3 VIP	1
507383	MOUNT, CABLE TIE	1
5001448	WASHER, FLAT SS18-8 11/32x.875x.062	2
5001736	WASHER, FLAT 8.4mm ID x 18mm OD	1
5001745	SCREW, CAP M8-1.25x25 G8.8	6

**NOTE**

Material can be obtained through regular channels.

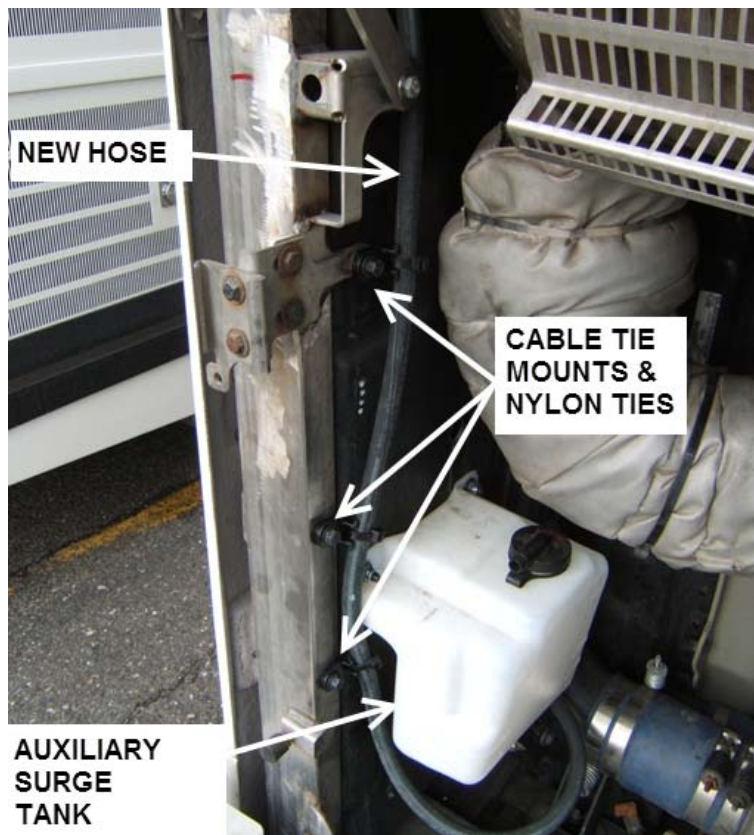
**PROCEDURE**

**H3 SERIES COACHES AND MOTORHOMES EQUIPPED WITH CENTRAL HVAC SYSTEM**



**DANGER**

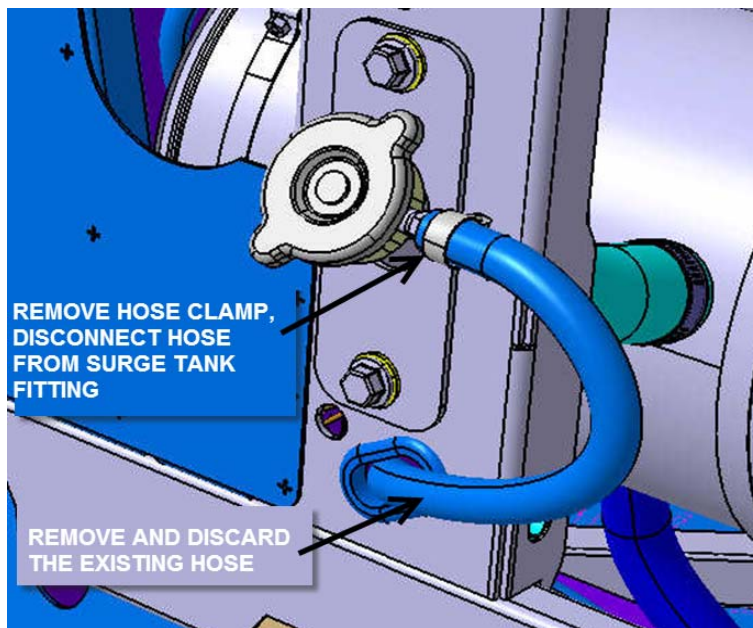
Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.



OVERVIEW OF THE NEW INSTALLATION

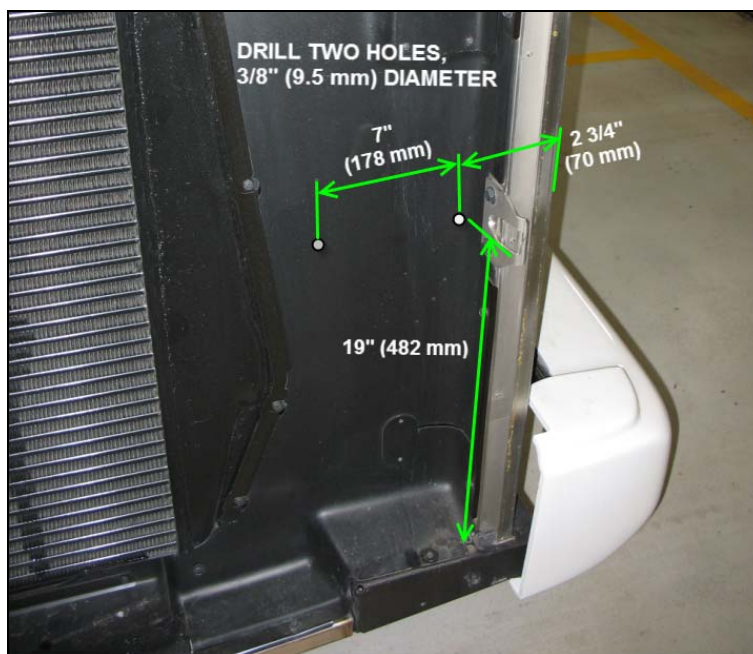
### STEP 1

Remove and discard the existing surge tank overflow drain hose and replace with the new hose included in the kit. Route the new hose close to the tank pressure cap as the previous one but do not route the new hose through the hollow vertical post.



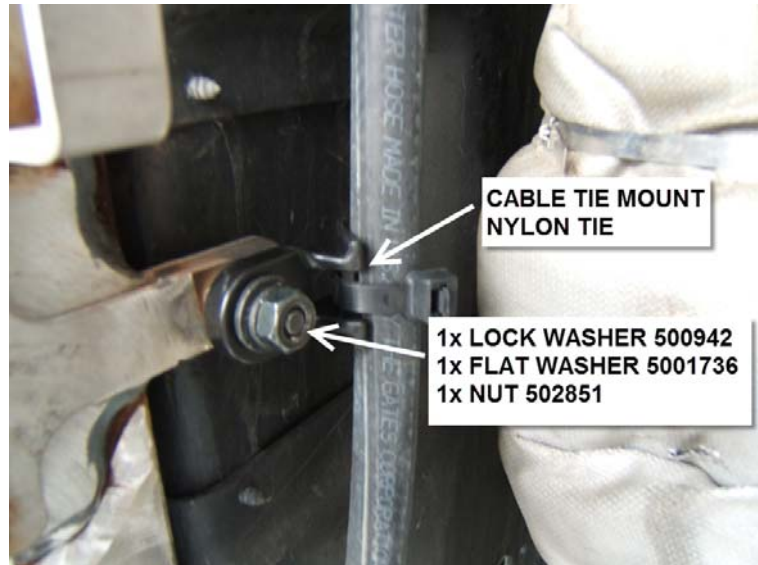
### STEP 2

Drill two level holes as shown on the image.



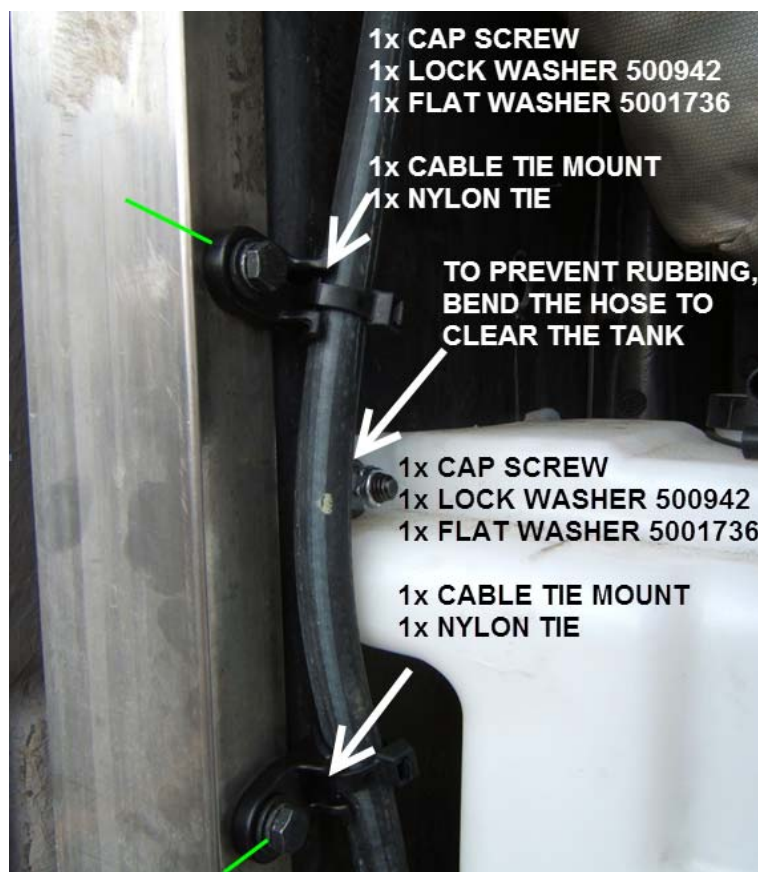
**STEP 3**

Secure new hose as shown.



**STEP 4**

Secure new hose as shown.



**STEP 5**

Secure the auxiliary surge tank using the two holes previous done.



**STEP 6**

Connect the lower end of the drain hose to the fitting found at the bottom of the auxiliary tank.



### STEP 7

Connect the 24" section hose to the auxiliary surge tank cap fitting.

Mount this hose to the cap in order to prevent dirt from entering into the tank through the cap fitting.

### STEP 8

Add the appropriate coolant up to the HOT level mark.



## PROCEDURE

### H3 VIP MOTORHOMES EQUIPPED WITH SMALL HVAC SYSTEM

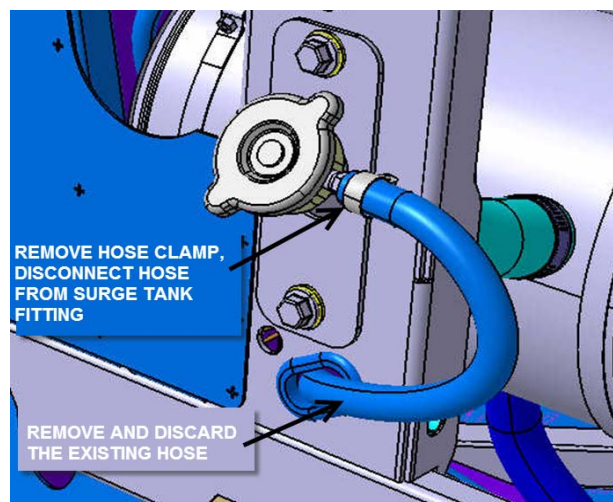


## DANGER

Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.

### STEP 1

Remove and discard the existing surge tank overflow drain hose and replace with the new hose included in the kit. Route the new hose close to the tank pressure cap as the previous one but do not route the new hose through the hollow vertical post.



## STEP 2

Determine the most appropriate place next to the cooling pack where you will install the auxiliary surge tank and support.

**Keep this new installation clear from surrounding components.**

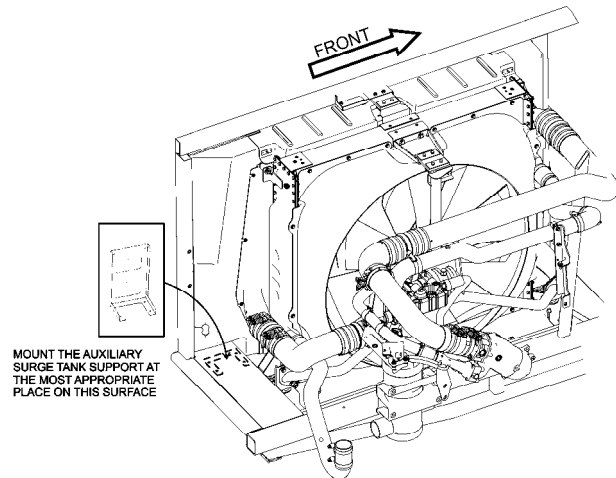
Using the support as reference, drill four (4) holes of 3/8" diameter (9.5mm) in order to fix the support base.

Fix support using the following fasteners:

4x cap screw #5001745

4x flat washer #500261

4x nut #502847



## STEP 3

Secure new hose as shown. Use the following fasteners:

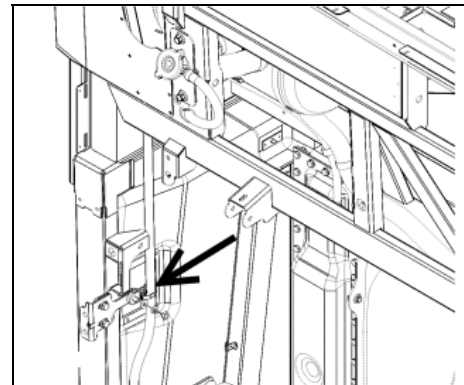
1x nylon tie #504016

1x cable tie mount #507383

1x flat washer #5001736

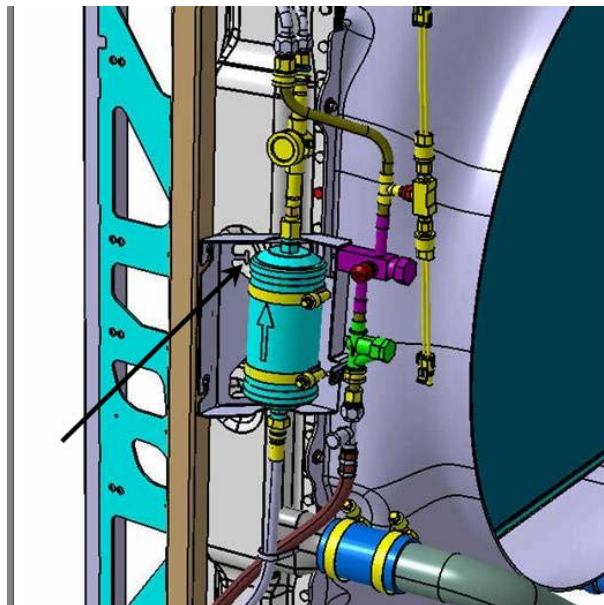
1x lock washer #500942

1x nut #502851



**STEP 4**

Secure new hose with a nylon tie on the nylon tie attachment bracket (indicated with arrow) found on the A/C filter-dryer support.



**STEP 5**

Mount the auxiliary surge tank onto the support using the following fasteners:

- 2x cap screw #5001745
- 2x flat washer #5001448
- 2x nut #502847

**STEP 6**

Connect the lower end of the drain hose to the fitting found at the bottom of the auxiliary tank.



### STEP 7

Connect the 24" section hose to the auxiliary surge tank cap fitting.

Mount this hose to the cap in order to prevent dirt from entering into the tank through the cap fitting.

### STEP 8

Add the appropriate coolant up to the HOT level mark.



## PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

## WARRANTY

This modification is covered by Prevo's normal warranty. We will reimburse you the parts and  $\frac{3}{4}$  of hour (0.75) of labor upon receipt of a completed A.F.A. form on which you must specify as per "Warranty Bulletin 12-41".

## OTHER

VBC Bulletin	n-a
Fail Code	05-07
Defect Code	09
System Condition	B
Causal Part	053602

*You wish to stop receiving this letter and would like to be informed by e-mail of our warranty bulletins?  
Just e-mail us at [technicalpublications@volvo.com](mailto:technicalpublications@volvo.com) and type "ADD" in the subject.*



# PREVOST


## SERVICE CENTER INFORMATION

### SCI12-46A

DATE : JANUARY 2013	SECTION :	22 - HVAC
SUBJECT : EVAPORATOR FILTER RELOCATION		

REVISION : A	This version supercedes previous version.
Date changed to publication date.	

### APPLICATION

Model	VIN	
Le Mirage XLII Entertainer Model Year : 2008 - 2012	From 2PCY334968C729385 up to 2PCYS3491CC735235 incl.	

### DESCRIPTION

Customers receive FI-12050 which refers to this SCI.

This procedure will guide you through the steps required to relocate the evaporator filters on Le Mirage XL-II Entertainers.

The heating coil in the evaporator compartment should be drained from coolant and some work and assembly is required on the filter box prior to carrying out the actual modification on the vehicle.

Please read the complete procedure before starting.

### SPECIAL TOOLS



5/8" to 2 1/8" pipe cutter



ABS conduit or other means for coolant recovery.



Right angle drill

**MATERIAL**Kit #374694 Vehicles **with** a slide out extension over HVAC evaporator compartment.

Part No.	Description	Qty
370354	DECAL, M5 HVAC FILTER FE	1
374675	PLENUM EVAP, W/EXT ASSY	1
374681	CLOSING, FILTER	1
374685	SUPPORT, EVAPORATOR DUCT	1
374690	CENTRAL WATER VALVE, ASSY	1
374691	PIPE, OUTLET HEATING COIL ASSY	1
500411	FLAT WASHER	1
500957	SCR TP BDG PH N500 #10X3/4	13
500957	SCR TP BDG PH N500 #10X3/4	1
502737	CAP SCREW M6	1
502854	NUT M6	1
504323	GROMMET	1
504428	CABLE TIE BASE	2
504604	STEEL RETAINER 6 MM	3
504605	RECEPTACLE 6 MM	3
504681	STUD 6MM (DZUS)	3
506268	RUB AD1 POL 3/8" X 1/2" X 25'	21.6 in
871447	AIR FILTER	2
5001744	SCR CAP HEX N500 M6-1.0X16 G8.8	3
5001833	WSH BEL SPR SS 301 6.65X17.4X1.27	3
FI12050	FEUILLE D'INSTRUCTIONS	1
IS12050	INSTRUCTION SHEET	1

Kit #374695 Vehicles **without** a slide-out extension over HVAC evaporator compartment.

Part No.	Description	Qty
370354	DECAL, M5 HVAC FILTER FE	1
374679	PLENUM EVAP, W/O EXT ASSY	1
374681	CLOSING, FILTER	1
374684	SUPPORT, EVAPORATOR DUCT	1
374690	CENTRAL WATER VALVE, ASSY	1
374691	PIPE, OUTLET HEATING COIL ASSY	1
500411	FLAT WASHER	1
500957	SCR TP BDG PH N500 #10x3/4	19
500957	SCR TP BDG PH N500 #10x3/4	1
502737	CAP SCREW M6	1
502854	NUT M6	1
504323	GROMMET	1
504428	CABLE TIE BASE	2
504604	STEEL RETAINER 6 MM	3
504605	RECEPTACLE 6 MM	3
504681	STUD 6MM (DZUS)	3
506268	RUB AD1 POL 3/8" x 1/2" x 25'	21.6 in
871447	AIR FILTER	2
5001744	SCR CAP HEX N500 M6-1.0x16 G8.8	3
5001833	WSH BEL SPR SS 301 6.65X17.4X1.27	3
FI12050	FEUILLE D'INSTRUCTIONS	1
IS12050	INSTRUCTION SHEET	1

**NOTE**

Material can be obtained through regular channels.

## PROCEDURE



### DANGER

Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.

#### Preparation for work

1. Close heating valves.



2. Open filter access door.  
Remove filters  
Remove decal with heat gun.



3. Drain heating system by drain cock at bottom of heating coil.

Drain the coolant into a suitable container

Keep coolant for re-use.  
*Recovered volume is about 10 liters (2.6 US gal).*

To avoid spilling coolant, use a slit ABS tube or other means to empty heating system.

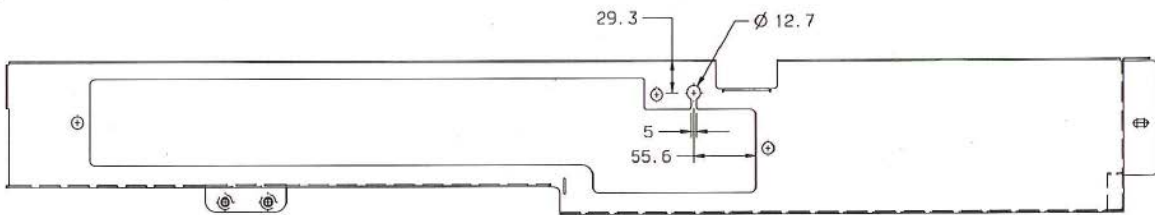


4. Dismount the door stopper to provide full access to the area.

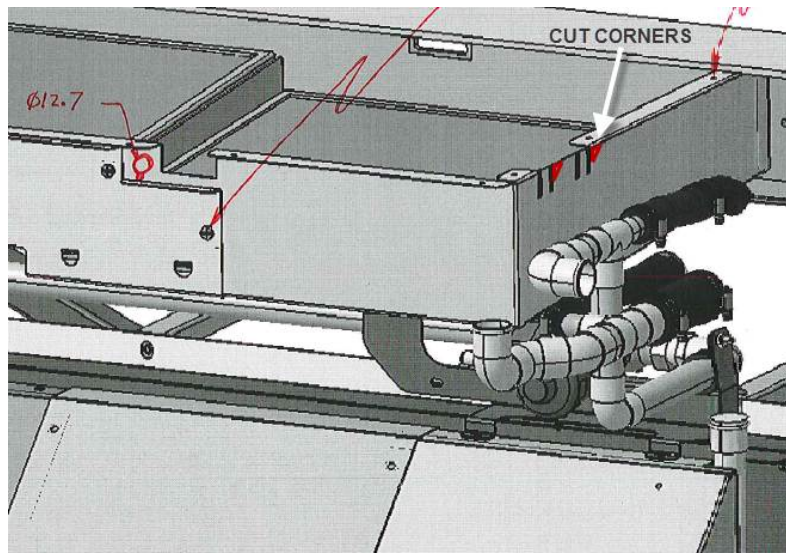


5. Prepare the filter support box for assembly. (374675 or 374679).

- Drill a ½" (12.7mm) hole for the grommet.



- Cut these corners for easy installation.



- Install the quarter turn receptacles, slit the grommet and install it in the hole.



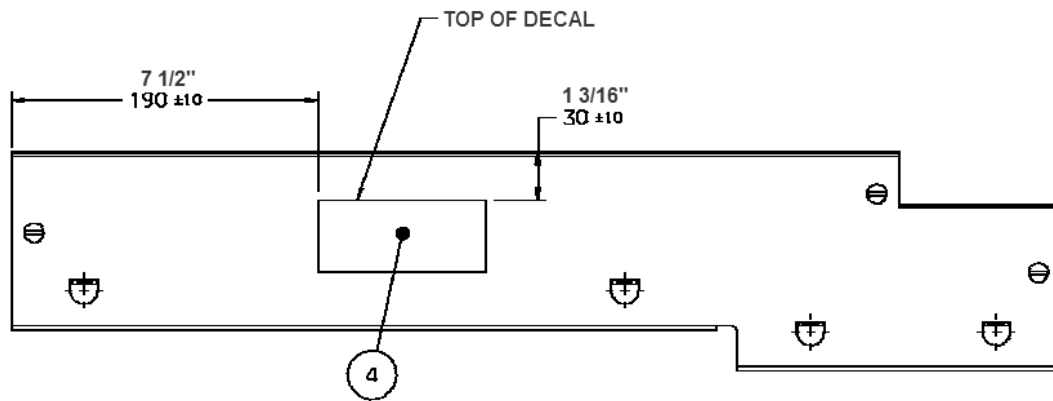
6. Assemble the access panel.

Short foam is 5 7/8" long. Long foam is 14 1/2" long

Assemble quarter turn studs on panel with retainer washers.



Place "Filter" sticker at this position.



### Filter relocation procedure

1. Remove the flexible connections



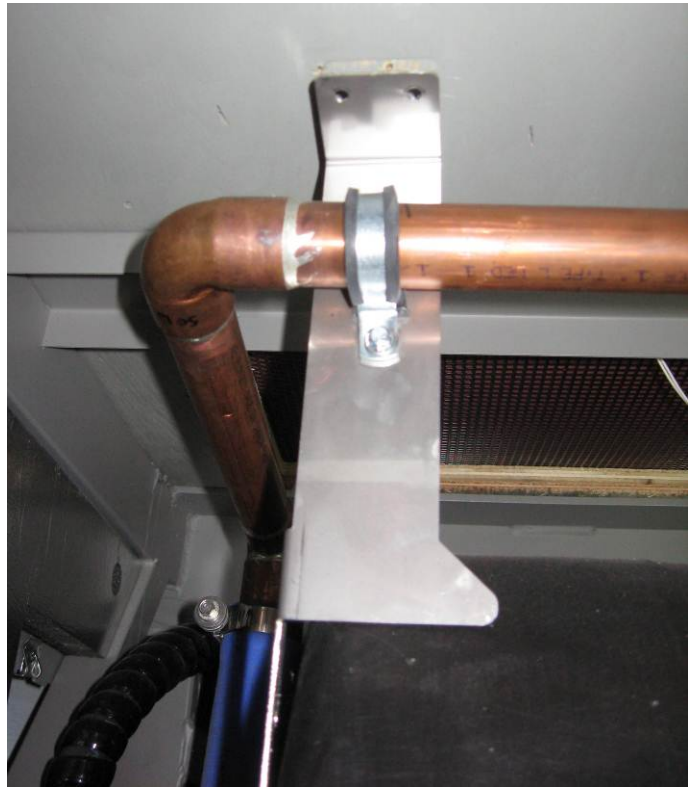
2. Remove the ducts. Keep screws.

The right hand duct is hard to remove due to the presence of a baffle.

To help removal, remove the right hand plastic adapter, fan side.



3. Remove the front tube support.



4. Remove the mid support



5. Keep the rear support, clamp, hardware and mounting screw for re-use.



6. Remove the cable tie holding the temperature sensor cable

7. Remove all pneumatic and electrical connections to the central water valve. Keep the connector gasket for re-use.



8. Unplug the valve piping assembly.

Some coolant may remain in the tube.  
Recover coolant in an appropriate  
container.



9. Removed central valve piping  
assembly.

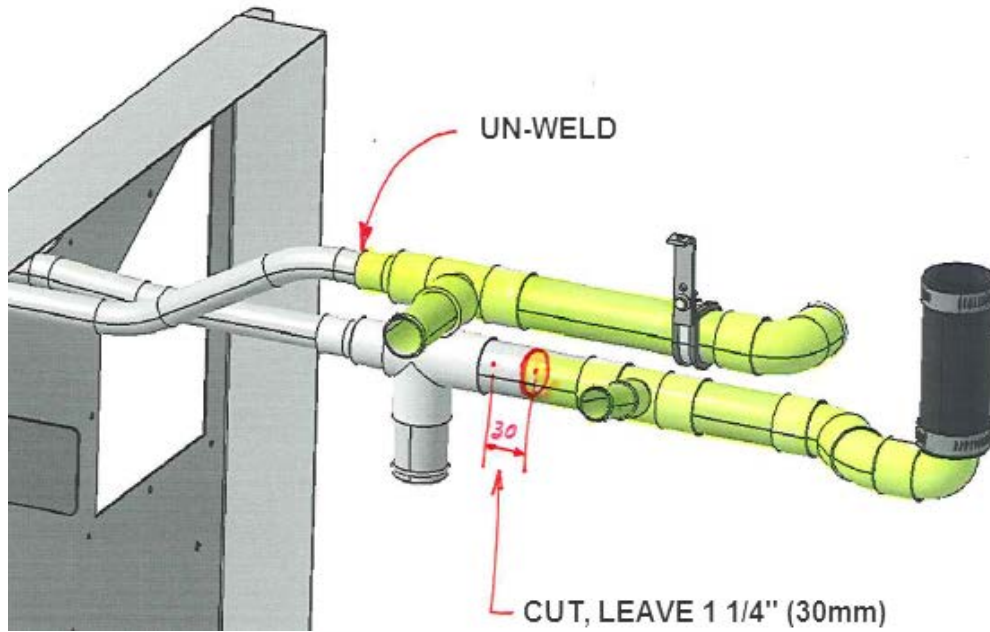


10. On the heating coil fore connection,  
keep collar.



11. Un-weld smaller tube. (2 people required)

12. Cut bigger tube starting with tube cutter and finishing with rotary tool. Leave 1 1/4" tube length for silicone joint. Refer to drawing below. Make sure tube is clean and free of burrs.



13. Clean thoroughly the tubes, removing any cutting residue and excess solder.



14. Install filter box with 500957 screws.



15. Seal filter box edge with 684517 Grey Simson ISR 70-03 sealant.



16. Remove electrical harness ties on the rear section.



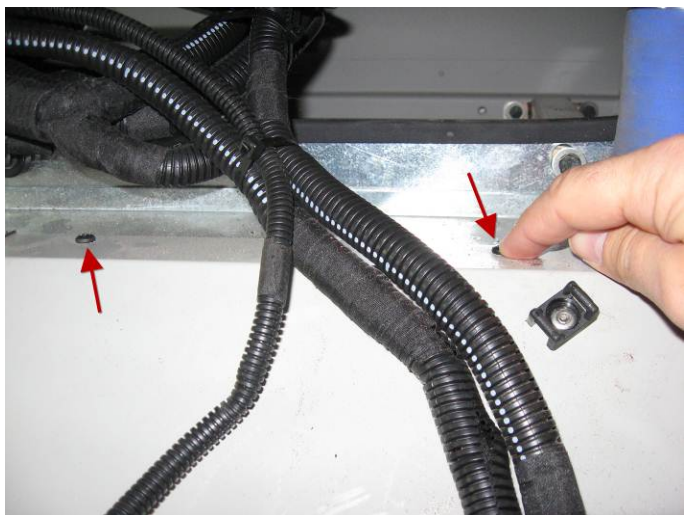
17. Free up a maximum of length for the temperature sensor cable.



18. In the rear section, remove this cable tie base.



19. Remove these two screws. Keep for re-install.



20. This A/C hose elbow on the evaporator should be oriented parallel to the evaporator.

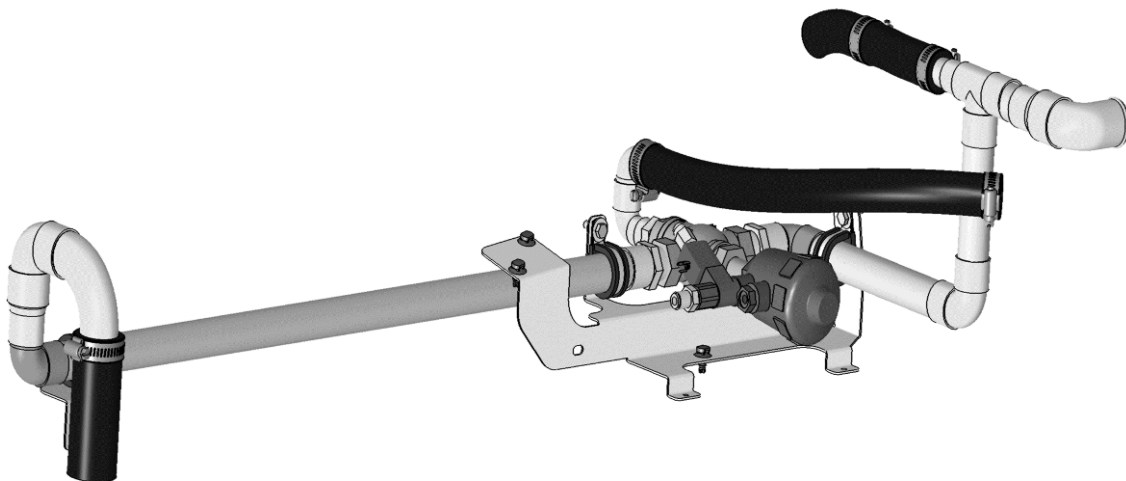
If this is not the case, slack the connection slightly to allow movement but still keeping a sealed connection and reorient the hose.



21. Remove this bolt. Keep for re-install.



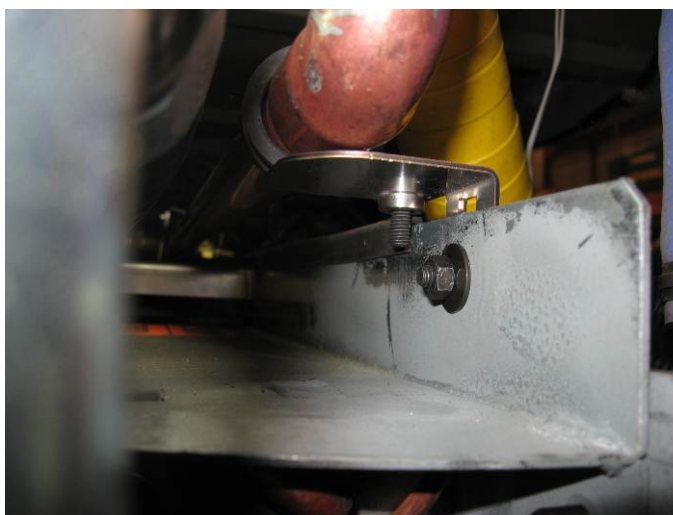
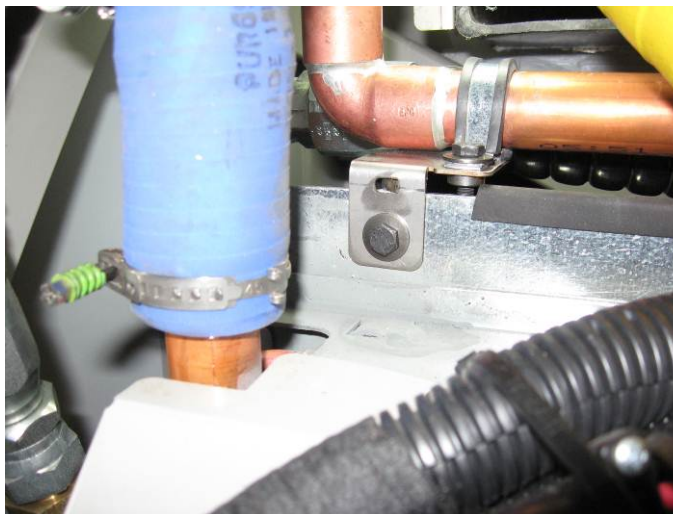
22. Slip the new central valve piping assembly 374690 under the rear section of the harness.



23. Cut rubber edge trim front section to clear new tube support.



24. Install the front tube support with:  
502737 M6 bolt  
5001833 Belleville washer  
500411 Flat washer  
502854 M6 nut  
Do not tighten hardware.



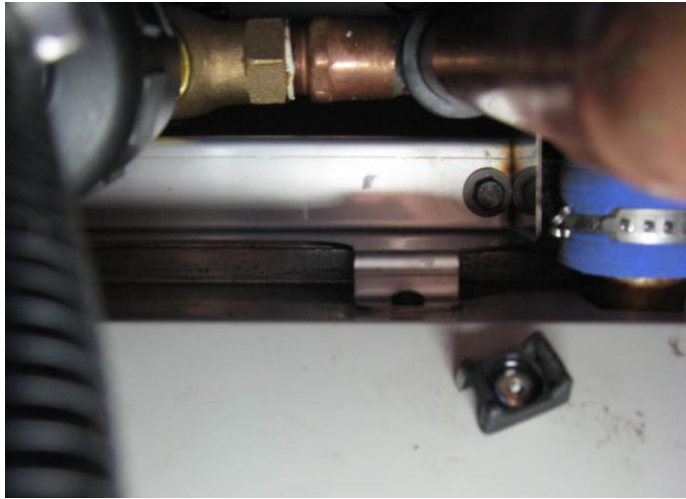
25. Install the rear bracket re-using screws previously removed.

Do not tighten hardware.



26. Install the rear bracket re-using bolts previously removed.

Do not tighten hardware.

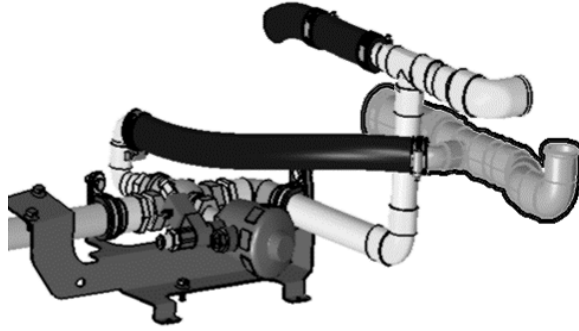


27. Install tube support and clamp previously removed to secure rear end of piping assembly.

Do not tighten.



28. Install short piping assembly 374691



29. Once the piping is connected and well fitted, tighten the mounting hardware.

30. Tighten all silicone joint connections.  
Suggested clamp orientation.



31. Secure harness with cable ties.

Keep full length for the temperature sensor cable.



Install cable tie base 504428 to support white temperature sensor cable.



32. Cut to length and connect the air hoses going to the central heating valve.



33. Return removed coolant in the cooling system.

34. Open heating valves, purge and test piping water tightness.

35. Once everything is Ok, re-install air ducts with screws reserved earlier.

36. A new bracket 374685 is provided to support the front duct.

Install with:

5001744 M6 bolt, 16mm lg.

5001833 Belleville washer

502854 M6 nut

500957 Tapping screw #10

Remove burrs on the previous mounting holes and fill flush with black silicone.



37. Install flexible duct connections.



38. Connect temperature sensor



39. Install filters. Air flow arrow pointing down



## **PARTS / WASTE DISPOSAL**

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

# PREVOST

## Instruction Sheet

## IS-12050

### Evaporator compartment filter relocation

Use these kits to relocate the evaporator filters on existing Le Mirage XLII entertainer vehicles equipped with large A/C systems

Contact one of our Prevost service centers to perform installation procedure SCI12-46.

Select kit accordingly.

### MATERIAL

Kit #374694 Vehicles **with** a slide out extension over HVAC evaporator compartment.

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370354	DECAL, M5 HVAC FILTER FE	1
374675	PLENUM EVAP, W/EXT ASSY	1
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374690	CENTRAL WATER VALVE, ASSY	1
374691	PIPE, OUTLET HEATING COIL ASSY	1
500411	FLAT WASHER	1
500957	SCR TP BDG PH N500 #10X3/4	13
500957	SCR TP BDG PH N500 #10X3/4	1
502737	CAP SCREW M6	1
502854	NUT M6	1
504323	GROMMET	1
504428	CABLE TIE BASE	2
504604	STEEL RETAINER 6 MM	3
504605	RECEPTACLE 6 MM	3
504681	STUD 6MM (DZUS)	3
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871447	AIR FILTER	2
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F112050	FEUILLE D'INSTRUCTIONS	1
IS12050	INSTRUCTION SHEET	1

Kit #374695 Vehicles **without** a slide-out extension over HVAC evaporator compartment.

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