

# PREVOST

## Instruction Sheet

## IS-03012A

### INSTALLATION OF SEALLESS PUMP ON CENTRAL HEATING SYSTEM

REVISION : A THIS INSTRUCTION SHEET SUPERSEDES THE PREVIOUS VERSION

Screws #500497 replaced by screws #5001580

### MATERIAL

Kit #374027 includes the following parts :

Part No.	Description	Qty
561566	Connector	1
561568	Terminal	2
561786	Seal, connector	2
870441	Gasket, pump inlet and outlet	2
871414	Pump, sealless	1
5001580	Screw, cap 3/8-16 X 0.875	4
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### PROCEDURE

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

1. Close the central heating system line shot-off valves (see CENTRAL HEATING SYSTEM in section 22 of your maintenance manual).
2. Inside the evaporator compartment, unplug the connector and remove the existing pump and support bracket.
3. Install the support bracket on the new pump, using the existing hose clamps. Support must be flush with the pump flange as shown in [figure 1](#).

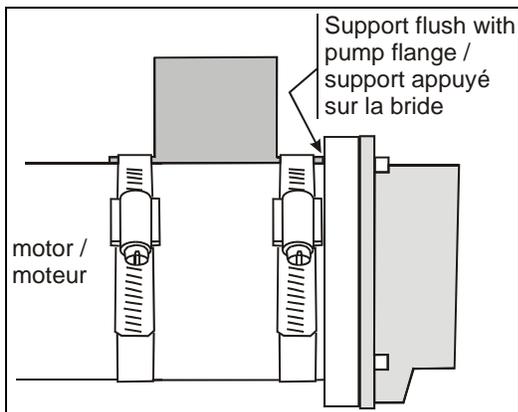
- Slide a connector seal #561786 on each power supply lead and remove 5/16" of insulating sheath at the extremity. Crimp #561568 terminal on each wire as shown in [figure 2](#) and place the two leads into the connector with the red one in position A and the black one in position B.

**5. H3 series vehicles ;**

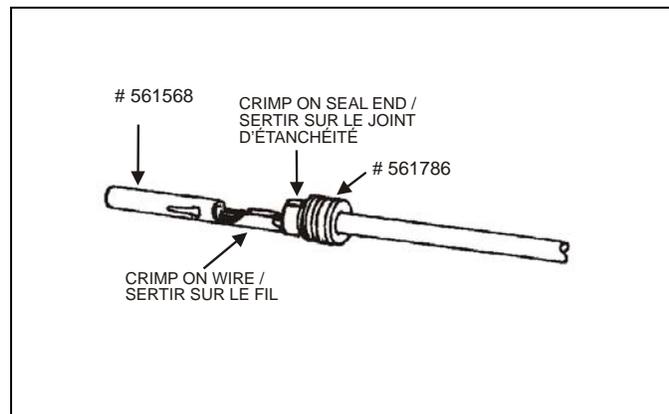
- Remove the bypass line between the two flexible hoses ([figure 3](#)).
- Using a soldering torch, heat the 90° elbow and rotate the elbow about 50° as shown in [figure 4](#). Add soldering metal if needed.

**6. XLII series vehicles ;**

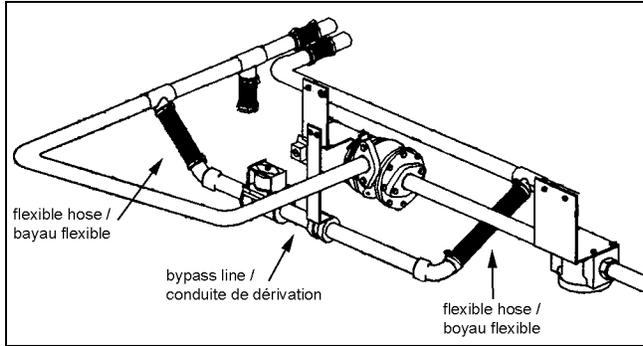
- Remove the discharge line at the pump outlet ([figure 5](#)).
  - Using a soldering torch, heat the copper pipe and flange joint and rotate the flange about 15° as shown in [figure 5](#). Add soldering metal if needed.
- Connect the new pump to the piping using the cap screw #5001580. Use the inlet and outlet gaskets #870441 or you may reuse the existing o-ring if they are in good condition. Drill the new mounting holes using the support bracket as template. Install the new pump and plug the connector to the pump power supply circuit.
  - Reinstall the bypass line (H3) or the discharge line (XLII).
  - Start the engine and use the heating system for at least 10 minutes to allow the air trapped in the line to accumulate in the coolant surge tank.
  - Bleed the air trapped in the evaporator coil as described in section 22 of your maintenance manual under BLEEDING HEATING SYSTEM.



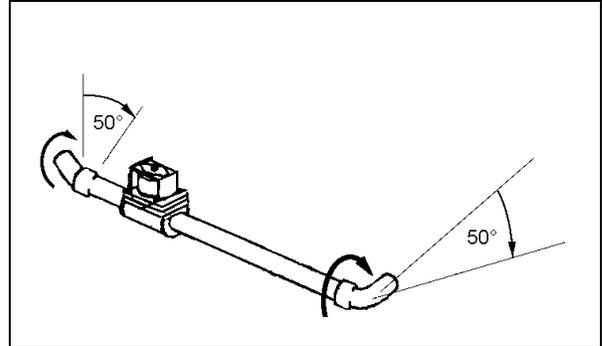
**FIGURE 1 : POSITIONING OF BRACKET SUPPORT**



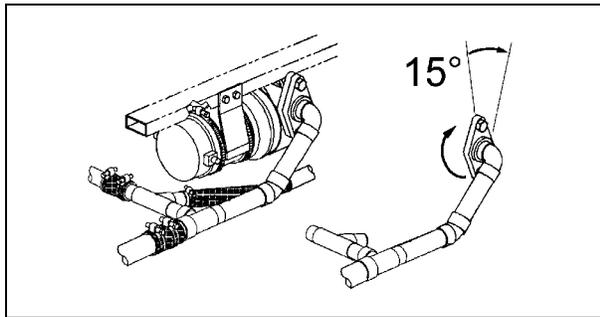
**FIGURE 2 : WIRE PREPARATION**



**FIGURE 3 : PIPING (H3 SERIES)**



**FIGURE 4 : BYPASS LINE MODIFICATIONS (H3 SERIES)**



**FIGURE 5 : DISCHARGE LINE MODIFICATION (XL2 SERIES)**