



SERVICE BULLETIN No.1125

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COACH MODEL	: T2145 and C2045
BULLETIN TYPE	: Service Information
MANUAL & SECTION	: Maintenance Manual: Chapter 10 – HVAC System Spare Parts Manual: Section 771809 – Water pump
PARTS BOOK REVISION	: Yes
DATE	: February 16th, 2004
SUBJECT	: New Proheat coolant pump
TERMS & CONDITIONS	: No claims will be accepted with reference to this Bulletin.

APPLICATION:

The new heating system water pump has been cut into production as from the units shown below:

Model	Engine	VIN
T2145	Cummins	44280 → 44281; 44288 →
	Detroit Diesel	44599 → 44600; 44605 →
C2045	Cummins	45403 → 45408; 45410 → 45440; 454442; 45444 →
	Detroit Diesel	45865 ; 45871 →

DESCRIPTION:

1. Teleflex Canada have replaced their Proheat Bravo 80 PK0351 coolant pump by improved model PK0359.
Effective with the above-mentioned units, this new pump has been introduced on T and C coaches.
The new pump will also be used with the new M80 Series auxiliary heater as model PK0365.
2. Refer to the Parts Section in this Bulletin for part numbers and interchangeability.
3. Refer to Proheat Service Bulletin #PB0009 Rev. C in attachment for a comparison between the old and the new Bravo 80 pump.

Service personnel: please read, initial and circulate.

Service Manager	Parts Manager	Warranty Administrator	Workshop Foreman	Service Technician

PARTS AND PRODUCTS:

Old parts

Part No.	Description	Qty.
VH 10645931	Coolant pump PK0351 to suit Bravo 80 auxiliary heater	1
VH 10694645	Repair kit for PK0351	1

New parts

Part No.	Description	Qty.
VH 10857515	Coolant pump PK0359 to suit Bravo 80 auxiliary heater	1
VH 10875552	Coolant pump PK0365 to suit M80 auxiliary heater	1
VH 10886907	Repair kit for PK0359 and PK0365	1

- Old pump and service kit will no longer be available for replacement.
- New parts will be included in the next Spare Parts Manual update.
- Parts may be purchased from your nearest ABC Customer Care & Parts Source dealership.
- Parts and products disposition: discard according to applicable environmental regulations.

PROCEDURE:

1. General:

- Removal and reinstallation of the pump should be done by a technician experienced in cooling system maintenance.
- Disassembly and reassembly of the pump should be done by an experienced automotive electrician.
- For more information refer to the Electrical Wiring Diagram Booklet that comes with the coach/the Maintenance Manual.

2. Special tools, equipment or services:

- No special tools, equipment or services are required.

3. Preparations:

- Park the coach on a level-surfaced service pit with the front wheels straight. Apply the parking brake and shut down the engine.
- Make sure the Proheat unit is switched off.
- Switch off all systems and turn off the battery master switch.
- Put a "DO NOT OPERATE" tag on the instrument panel.
- Read the entire procedure before beginning to work.

CAUTION: Observe safe shop practices at all times.

4. To remove and reinstall the coolant pump:

The procedure to remove and reinstall the coolant pump as described in Van Hool Maintenance Manuals #M380D, #M494A (T-Coach) and #M457A, #M501A (C-Coach) remains unchanged.

CAUTION: When putting the cooling system back in service, do not operate the pump while there is no coolant in it. Allowing the pump to run dry will cause damage to the pump seals.

5. To disassemble and reassemble the coolant pump:

The procedure to disassemble and reassemble the coolant pump as described in Van Hool Maintenance Manuals #M380D, #M494A (T-Coach) and #M457A, #M501A (C-Coach) remains unchanged.

Procedure complete.

DISCLAIMER:

The procedures contained herein are not exclusive. Van Hool cannot possibly know, evaluate, or advise the transportation industry of all conceivable ways in which a procedure may be undertaken or of the possible consequences of each such procedure. Other procedures may be as good, or better, depending upon the particular circumstances involved.

Each carrier who uses the procedures herein must first satisfy itself thoroughly that neither the safety of its employees or agents, nor the safety or usefulness of any products, will be jeopardized by any procedure selected.

SERVICE INFORMATION:

Service Bulletins are issued to supplement or supersede information in the Van Hool manuals. Note Service Bulletin number, date and subject on the register at the end of the relevant chapter(s). File Service Bulletin separately for future reference.



Part Update Bulletin

PB0009 Rev. C

January 2004

Description: **Coolant Pump CP5300 24V**

- P/N PK0359 Kit.

Purpose:

Replaces Coolant Pump used in:

- P/N PK0351 Long Life Coolant Pump Kit (no longer available).
- All OEM applications where Proheat supplies the coolant pump.



Product Affected: Proheat Bravo 80 applications where the PK0351 Long Life Pump was used.

Improvements:

Weight:

- PK0359 (New Pump) – 3.2 kg. (7 lbs.)
- PK0351 (Old Pump) – 5.0 kg. (11 lbs.)

Increased life:

- Higher efficiency (lower amperage draw for the same or better coolant flow).
- Motor runs at a lower temperature.

Cast impeller housing with Inlet / Outlet ports:

- Eliminates gaskets and flange connections.

Backward compatible:

- Mounting Bracket footprint identical.
- Coolant port locations:
 - Outlet port backward compatible.
 - Inlet port is 35.5mm (1.4") shorter on P/N PK0359.
- Electrical connections identical.