



SERVICE BULLETIN No.1194

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COACH MODEL	: C2045 and T2145
BULLETIN TYPE	: Service Information
SECTION	: Section 10 - HVAC
DATE	: October 30, 2006
SUBJECT	: Auxiliary heater fuel shut-off valve
TERMS & CONDITIONS	: No claims will be accepted with reference to this Bulletin.

APPLICATION:

The Service Information subject of this Bulletin applies to following units:

Model	Engine	VIN
T2145	Cummins	44301 → 44324
	Detroit Diesel	44620 → 44655
	Caterpillar	44801 → 44825
C2045	Cummins	45440, 45442 → 45500, 46001 → 46014, 46019 → 46049, 46053 → 46067
	Detroit Diesel	45989 → 45999, 46501 → 46533, 46535 → 46691
	Caterpillar	47001 → 47002, 47028 → 47065, 47069 → 47136, 47140 → 47164, 47166 → 47198

DESCRIPTION:

1. In production, a shut-off valve has been installed in the fuel supply line of the auxiliary heater (see Figure 1, overleaf). VIN cut-in is provided in the charts below.

Model	Engine	VIN
T2145	Cummins	44325 →
	Detroit Diesel	44656 →
	Caterpillar	44826 →
C2045	Cummins	46068 →
	Detroit Diesel	46692 →
	Caterpillar	47200 →

Continued on next page.

Service personnel: please read, initial and circulate.

Service Manager	Parts Manager	Warranty Administrator	Workshop Foreman	Service Technician

Continued from page 1.

2. Owners and operators wishing to retrofit their coaches with this new service aid may purchase the parts and install them as described in this Bulletin.

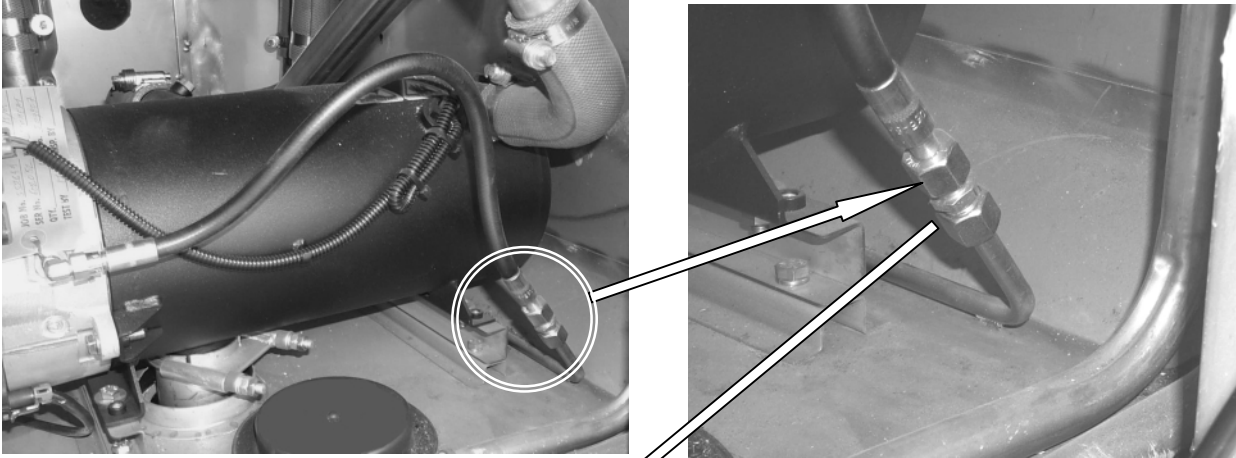


Figure 1: C2045 - Proheat M80 auxiliary heater with a straight union fitting connecting the heater flex tubing to the copper coach tubing (top). To the left the same installation with a fuel shut-off valve replacing the straight union fitting.

PARTS AND PRODUCTS:

Retrofit parts – heater flex tubing directly connected to copper coach tubing (see Figure 2)

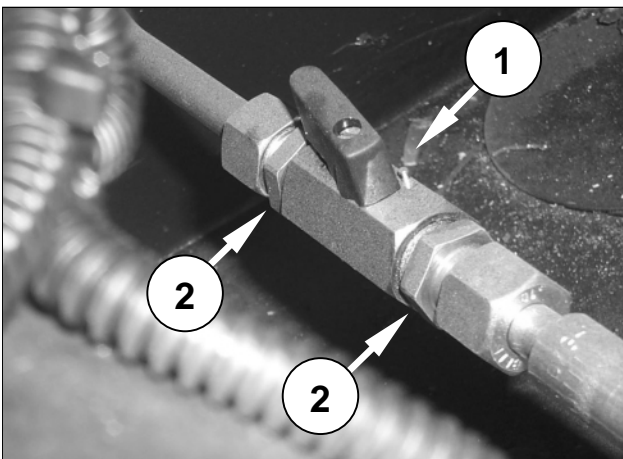


Figure 2: T2145 and C2045 shut-off valve installed between and heater flex tubing and coach tubing

VH reference	Description	Pos.	Qty.
VH 660577800	Valve, shut-off, 3/8"	1	1
VH 10569103	Adapter, 3/8" BSP → 10 mm	2	2
Local purchase	Adhesive, Loctite 577 pipe sealant	NS	#

- Parts may be purchased from your nearest ABC Customer Care & Parts Source service center.
- Parts and products disposition: discard according to applicable environmental regulations.

PROCEDURE:

- If you do not have the expertise to perform present procedure, do not hesitate to go to your nearest ABC Customer Care & Parts Source dealership.

1. General:

- This job should be executed by an experienced automotive technician.
- For more information refer to the Maintenance Manual, and the Operator's Guide Book.

2. Special tools, equipment or services:

- No special tools, equipment or services are required.

3. Preparations:

- Park the coach on a level surface with the front wheels straight.
Apply the parking brake and shut down the engine.
- Switch off all systems, including the auxiliary heater 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.

5. To install a fuel shut-off valve:

- 1) Place a small tray under the fitting, which connects the heater flex tubing to the coach tubing, in order to catch fuel spill.
- 2) Holding the union fitting hex steady with one wrench, undo the heater flex tube nut.
Lightly tap the nut with a wrench to dislodge the cutting ring from the seat of the fitting.
Disconnect the flex tube.
- 3) Holding the union fitting hex steady with one wrench, undo the copper coach tube nut.
Lightly tap the nut with a wrench to dislodge the cutting ring from the seat of the fitting.
Remove the fitting body.
- 4) Assemble the shut-off valve and the adapters as follows:

Apply a drop of pipe sealant (Loctite 577) on the tapered thread of adapter VH 10569103.
Install the tapered part of the adapter into the valve port.
Secure hand tight.
Repeat for the other valve port.

- 5) Install the valve assembly between the heater flex tubing and the copper coach tubing as shown in Figure 2. The valve is not directional.

Run-up the tubing nuts to finger tight, making sure the cutting rings are fully seated.

Holding the valve body with one wrench, firmly bring up the tubing nuts with another.

Open the valve by rotating the lever until it is in line with the valve body.

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.