

Authorized Field Change

AFC 06902

Date: August, 2006

Subject File: ENGINE

Subject: Valve Cover and Breather Upgrade for Certain International® 3200 and 4200 Models Built Between November 1, 2001 and December 31, 2002 with International® VT 365 Engines

Model: 3200

Start Date: 11/01/2001 End Date: 12/31/2002

Model: 4200

Start Date: 11/01/2001 End Date: 12/31/2002

DESCRIPTION

NOTE – Do a thorough search of the warranty history to make certain this repair has not already been completed.

NOTE – Before ordering parts, make arrangements with the customer to have all applicable International® VT 365 engine AFC's completed during a single visit. Only order parts for vehicles that have been scheduled with the customer.

NOTE – Should a unit involved in this AFC come in for a major engine repair, before proceeding with this AFC, verify that the engine does not require replacement and is viable for this and any other open AFC's.

During AFC repairs perform the “Replace Power Steering Gear Train Gears” first.

Initial production of the VT 365 engine used a 3/4 inch closed style breather system that was plumbed directly into the charge air cooler (CAC) intake pipe. A running change to a 1 inch breather was made in Model Year 2003 engine production to minimize signs of oil leaks in the CAC intake piping.

PARTS INFORMATION

Table 1

Part Number	Description	Quantity
1844132C92	Valve Cover Breather Kit contains the following:	1
	Left Valve Cover Assembly	
	O-Ring Seal	
	Breather Hose Assembly	
	Hose Clamp	
	Air Inlet Pipe	

SERVICE PROCEDURE



WARNING – To avoid property damage, personal injury, or death, park the vehicle on a flat level surface, set the parking brake, turn the engine off, and chock the wheels.

Refer to VT 365 Engine Service Manual EGES-235 and 41/42/43/4400, Front End Service Manual S09003 if additional information is needed.

1. Remove front bumper assembly.



WARNING – Batteries expel explosive gases. Keep sparks, flames, burning cigarettes, or other ignition sources away at all times. Always wear safety glasses and a face shield when working near batteries to avoid personal injury.

2. Disconnect the battery ground cable.
3. Remove the air cleaner housing with tube attached, disconnect the intake ambient temperature sensor (IAT), and ventilation tube from the valve cover.
4. Remove the electronic control module (ECM) with IDM and wiring.
5. Disconnect and remove the ECM wiring.
6. Remove the oil fill tube from the valve cover. Disconnect and remove the window washer reservoir from the mounting bracket.
7. Remove the exhaust back pressure sensor EBPS tube at the sensor.
8. Remove the ECM mounting bracket, disconnect the EBPS wiring, and remove the tube.
9. Remove the dip stick tube.
10. Disconnect the crankcase ventilation breather assembly and remove the remaining air duct from the turbocharger.
11. Remove the studs, bolts (Figure 1) and left valve cover.

SERVICE PROCEDURE (CONT.)

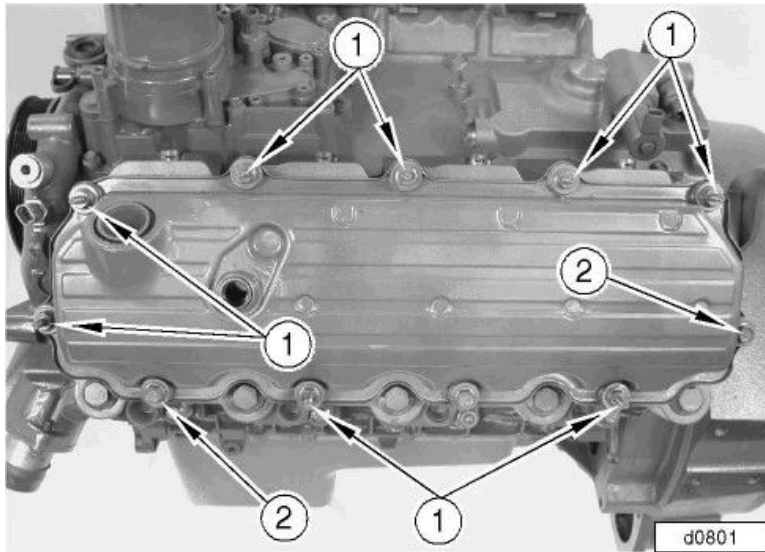


Figure 1 Remove Studs and Bolts

- 1. Stud Locations
- 2. Bolt Locations

CAUTION – To avoid engine damage, do not use air powered tools when installing valve covers.

- 12. Inspect the valve cover gasket and replace only if necessary and install the new valve cover onto the rocker arm carrier.
- 13. Install the valve cover mounting bolts and studs in the correct locations as shown in Figure 1. Leave the bolts finger tight until all bolts and studs are installed then tighten to 60 to 84 Lbf-in (7 to 9 Nm).
- 14. Install the new o-ring onto the breather pipe and install the new breather hose assembly and hose clamp.
- 15. Install the new air inlet duct to turbocharger.
- 16. Continue following Steps 1 through Step 9 in reverse order.

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-06902-1	Replace with Upgraded Left Valve Cover and Breather in Conjunction with Performing AFC G-06901 (see Note)	0.2 Hr.
A40-06902-2	Remove and Replace with Upgraded Left Valve Cover and Breather	1.8 Hrs.
A40-06902-3	Add for Vehicle with Air Compressor	0.5 Hr.
A40-06902-4	Add for Vehicle with Air Conditioning	0.2 Hr.

NOTE: If the vehicle being serviced requires AFC G-06901, Rocker Arm Replacement, the labor rate will be 0.2 Hr. since the valve covers would be removed performing AFC G-06901.

ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number G-06902.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Manual, Section 7-1. Special attention should be given to Items 39 through 44.

To assure this important improvement is made in a timely manner, all claims for G-06902 activity must be submitted by August 31, 2007 or within the normal warranty period for the vehicle, if after August 31, 2007.

	GROUP	NOUN	C	WARR.	TP	PAD
GROUP Enter number G—						
NOUN Leave blank						
C (CAUSE) Enter either 1, 2, 3. (see below)						
1. Inspected (No repair required).						
2. Inspected and repaired.						
3. Defective part from parts stock.						
WARRANTY (Warranty Code) Enter 40.						
TYPE PART Enter P for type part causing failure.						
PAD Enter 100						

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