



Volvo Chassis - Discharge Recirculation Valve (DRV) - FSB 258-029 , Engine Turbocharger Compressor Bypass Valve Deletion Kit , Installation



> **Internal Content**

For more information regarding deletion of the Discharge Recirculation Valve (DRV) refer to FSB 258-029 , Engine Turbocharger Compressor Bypass Valve Deletion Kit, Installation - found in the eMedia Center, located in the Applications section on Trucks Dealer Portal.



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Engine Turbocharger Compressor Bypass Valve Deletion Kit, Installation

FSB 258-029, Engine Turbocharger Compressor Bypass Valve Deletion Kit, Installation

(November 2011)

Volvo vehicles built between May 16, 2011 and November 14, 2011 are equipped with an engine turbocharger compressor bypass valve. On October 17, 2011 a main software update reprograms the engine control module (ECM) and the bypass valve is deactivated. If a vehicle has main software 21807200 and above, and the bypass valve is damaged, bypass valve deletion kit 85131416 can be used to replace the bypass valve at a greatly reduced cost. This applies to VOLVO D11H, D13H and D16H engines.

Required Parts

- 1 - 85131416, Engine Turbocharger Compressor Bypass Valve Deletion Kit

Procedure

You must read and understand the precautions and guidelines in Service Information, Function Group 2, "Engine Safety Practices" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

- 1 Secure vehicle for service by parking it on a flat level surface, apply parking brake, chock rear wheel, and place transmission in neutral.
- 2 Cut any cable ties securing bypass valve control air line. Disconnect air line at bypass valve. Cut steel air line off at right front of valve cover and discard.
- 3 Disconnect bypass valve fresh air hose from fresh air inlet elbow

Service personnel: Please circulate, read and initial

Service Manager	Warranty Administrator	Workshop Foreman	Service Technicians						

- 4 Remove fasteners and remove bypass valve from the charge air cooler (CAC) pipe.
- 5 Install the plug from the kit in the fresh air elbow, secure with new clamp.



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Cover Plate and Plug

- 6 Clean sealing surface on CAC pipe. Install cover plate with new O-ring and fasteners. Tighten fasteners to 24 ± 4 Nm (18 ± 3 lb-ft).
- 7 Secure the turbocharger compressor discharge temperature sensor harness using cable ties.
- 8 Disconnect harness connector at bypass valve solenoid. Use the plug in the kit to seal harness connector. Use cable tie to secure harness.
- 9 Start the engine and check for proper operation.

Reimbursement

This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.	
Claim Type (used only when uploading from the Dealer Bus. Sys.)	W
Labor Code	
Primary Labor Code	25811-2-00 0.3 hrs.
Causal Part	20940438

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