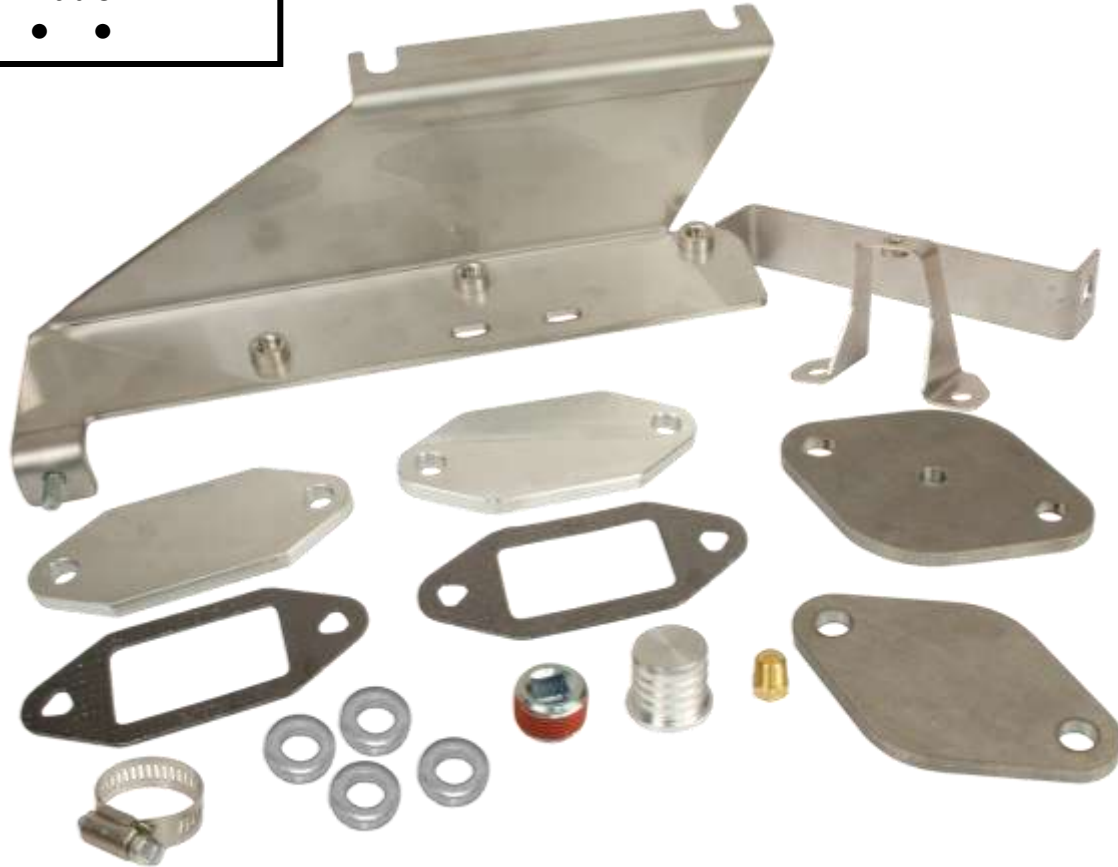


• • •
A Tuner capable of
eliminating DTC codes,
must be used with this kit.
Please call BD for more
information
• • •



BD EGR DELETE KIT ***2007-2011 Dodge 6.7L***

Part #: 1090011

Part #: 1090012

PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION

**IT IS ILLEGAL TO REMOVE ANY EMISSION COMPONENT. THIS KIT IS TO BE
USED FOR RACE PURPOSES AND TEMPORARY USE ONLY.
AND IS NOT FOR USE ON ANY PUBLIC ROAD**

BD Engine Brake Inc.











Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

K I T C O N T E N T S :

Please check to make sure that you have all the parts listed in this kit **before** you start the disassembly of your truck.

Dodge 6.7L EGR DELETE			
1900033	1900034	1900035	
			
Rear Exhaust Plate	Front Exhaust Plate	Intake Plate	
Qty: 1	Qty: 1	Qty: 2	
1900030	1900039	1900038	
			
Main Bracket	Cover Support-Exhaust	Cover Support - Intake	
Qty: 1	Qty: 1	Qty: 1	
3008468	1200208	1405976	3979769
			
Pipe Plug	Brass Plug	M10 Spacer	Gasket
QTY: 1	QTY: 1	QTY: 4	QTY: 2





BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

Dodge 2007-2008 (BD# 1090011)	
1900036	1453113
	
07/08 Plug	Gear Clamp
QTY: 1	QTY: 1

Dodge 2009-2011 (BD# 1090012)			
1900031	1900032	1400283	1900037
			
Accessory Bracket	Plug With Orings	Oring	Flange Bolt
Qty: 1	Qty: 1	QTY: 2	QTY: 3

OEM Dodge Part #	Description
680269878A	Front Manifold gasket
68038089AB	Rear Manifold Gasket
<i>Parts available through your local Dodge Dealer</i>	

BATTERY DISCONNECT

Record radio settings then disconnect the negative terminals on both of the vehicle's batteries, and then disconnect the positive terminals.

INSTALLATION

2. Open the radiator cap and loosen the plug on the lower left of the radiator and drain the coolant, and remove the oil dipstick. Then remove the four bolts that secure the plastic cover to the engine. (8mm)

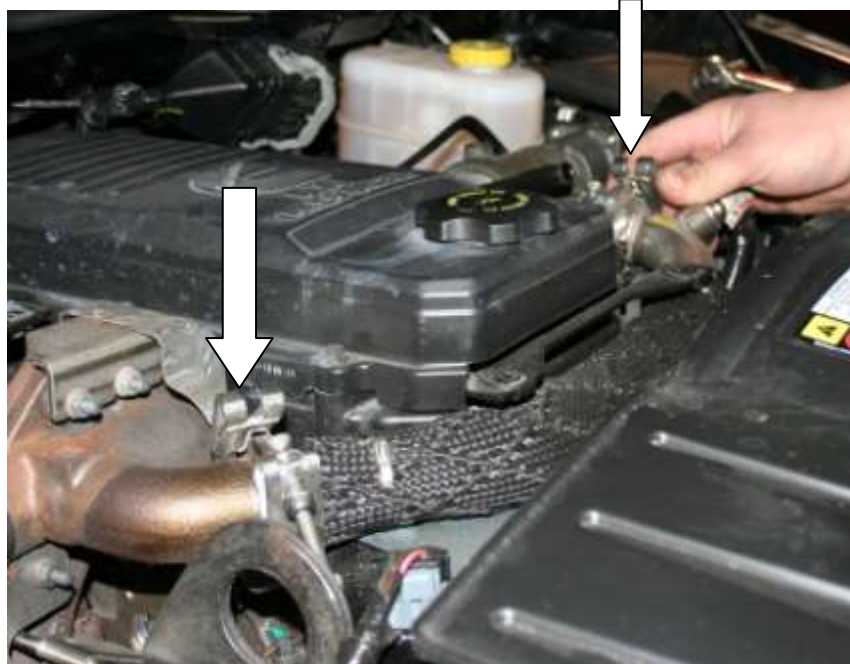


BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com



3. Loosen the cross over pipe clamps (11 mm) and slide them down the pipe. Remove the bolt located at the center of the pipe, and remove the pipe from the vehicle.

Note: When releasing the pipe from the engine there will be a loose washer on the left side.



BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

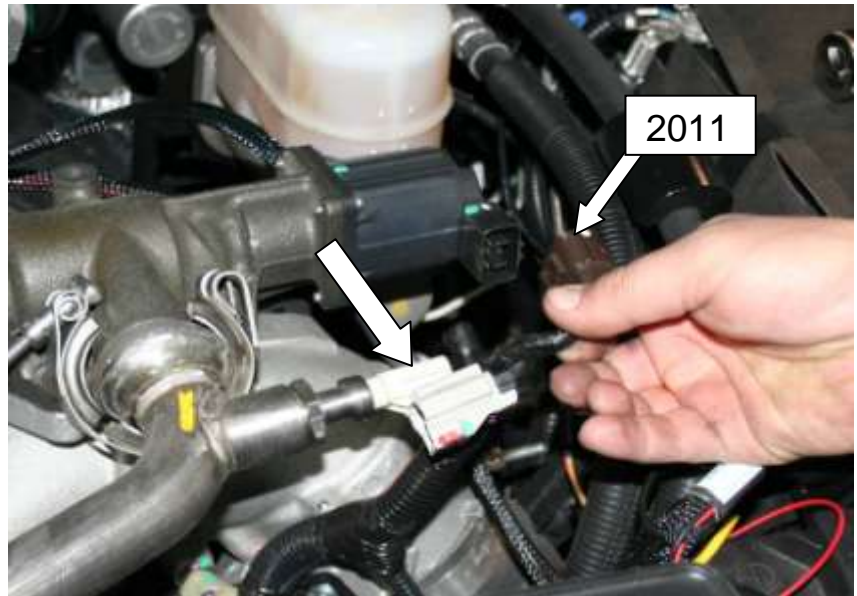
U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

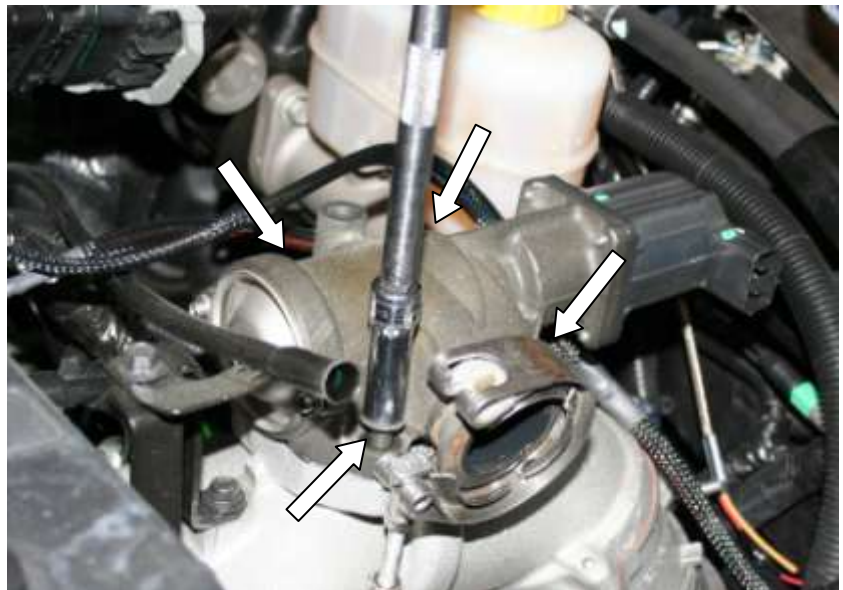
4. Disconnect the EGR valve connector from the EGR valve.

2011 ONLY

If the vehicle is a 2011 you will need to disconnect the temperature sensor connector as well.



5. Remove the four bolts that secure the EGR valve to the intake horn (intake plenum) and remove the valve from the vehicle. (10mm)



BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

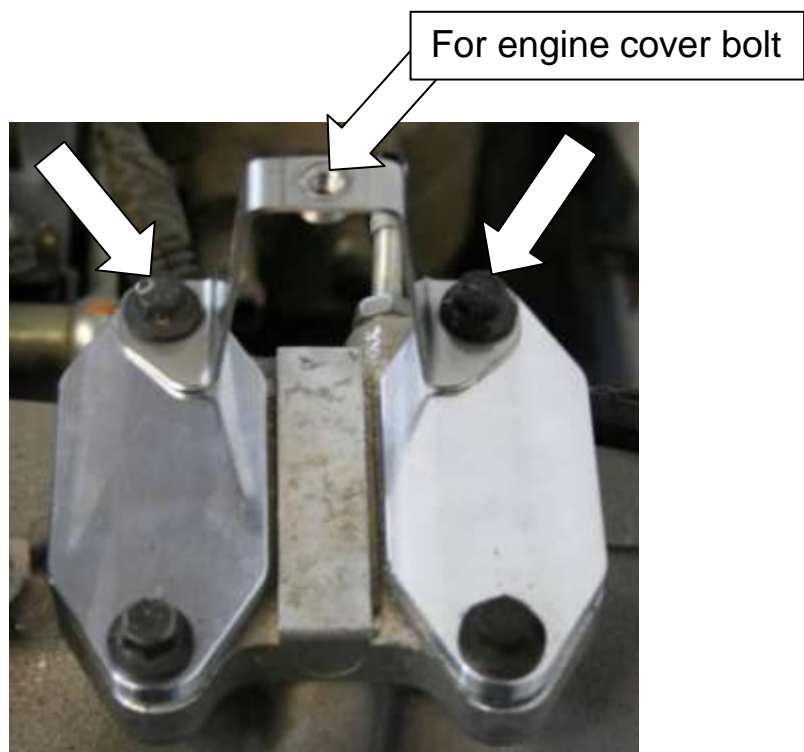
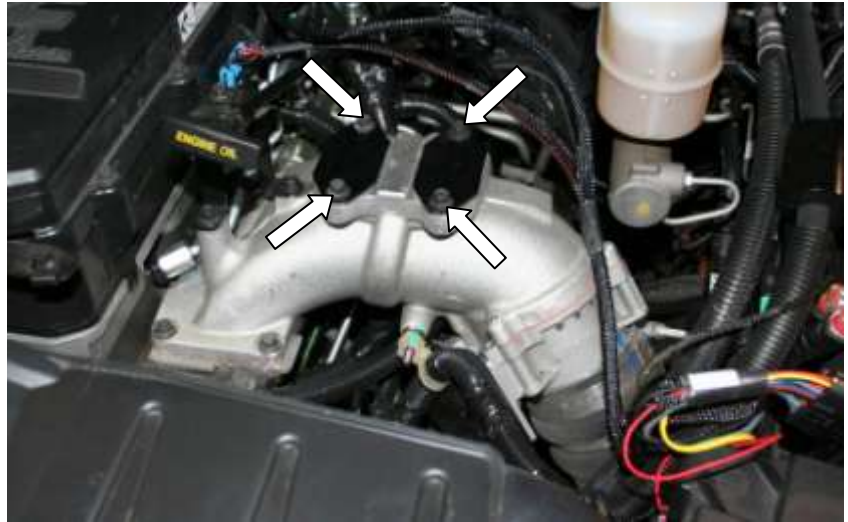
Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

6. Install the BD EGR delete intake plates with the supplied gaskets to the intake horn reusing the existing hardware. Torque to 18 ft/lbs.

Important: If you would like to reuse the engine cover install the supplied bracket 1900038 (as shown) and torque to 18 ft/lbs.

This will provide support for the driver's side cover bolt to connect to.

For the passenger side refer to step 24



BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

7. Next unplug the stepper (servo) motor connector and remove the two bolts (8mm) that hold the motor to the stepper motor bracket. Then release the cable to remove the motor from the vehicle.



BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

8. Loosen the two nuts to remove the upper heat shield. (10mm)

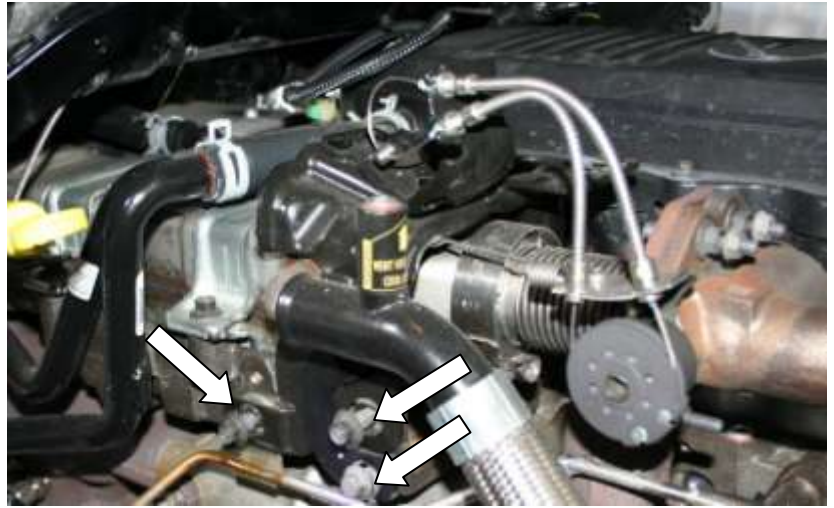


9. Remove the air box and intake hose.



10. Remove the top bolt from the lower heat shield (10mm) then the other two (8mm) bolts to release the lower heat shield.





11. Remove the three bolts for the stepper motor bracket (10 mm) socket and prop the bracket on the cooler.



BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

12. Loosen the clamp (11mm) that connects the EGR Flow Direction Valve to the cooler and slide the clamp towards the valve.



13. Using a (15mm) socket remove the outer nut for the exhaust flange of the flow valve at the manifold.

Using a socket with swivel or a wrench, remove the inner nut from the other side of the flange.



14. Remove the EGR flow direction valve from the vehicle.



15. Remove the bolt that holds the CCV hose to the cooler then disconnect the clamp at the valve cover to remove the hose assembly.



16. Remove the four bolts for the cooler and the nut that holds the transmission dip stick tube in place. Then nudge the tube out of the way to access the nut under the dip stick bracket.



17. Remove the EGR coolant hose from the cylinder head to the cooler. (All bolts should be already removed) the hose is held in by orings. Remaining coolant will drip out.

optional Plug the cooler to avoid further drainage.



18. Remove the coolers two rear bolts that attach it to the exhaust system (15mm)



19. Prop the cooler above the studs and push towards the cab holding the other coolant hose to release the oring fitting to remove the cooler from the vehicle.



20. If the vehicle is a 07/08 insert the plug (1900036) into the coolant hose and tighten with the supplied gear clamp (1453113).

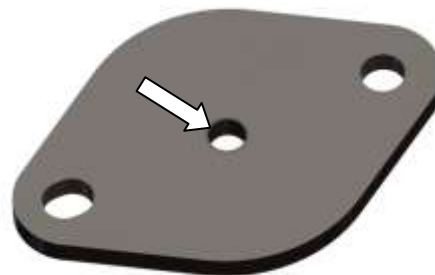
If the vehicle is a 09-2011 skip this step and continue on Step 21.



21. Remove the cooler mount bolts to the head (13mm socket) and remove the cooler mount from the vehicle.



22. The BD Back plate is drilled & tapped 1/8" NPT for a Pyro install. If there is no Pyro to be installed insert the supplied brass plug (1200208) and continue.



23. Install the BD Rear Exhaust Plate (1900033), reusing the OEM Nuts, OEM gasket and the supplied (1405976) M10 spacer. Torque to 18 ft/lbs.



BD Engine Brake Inc.

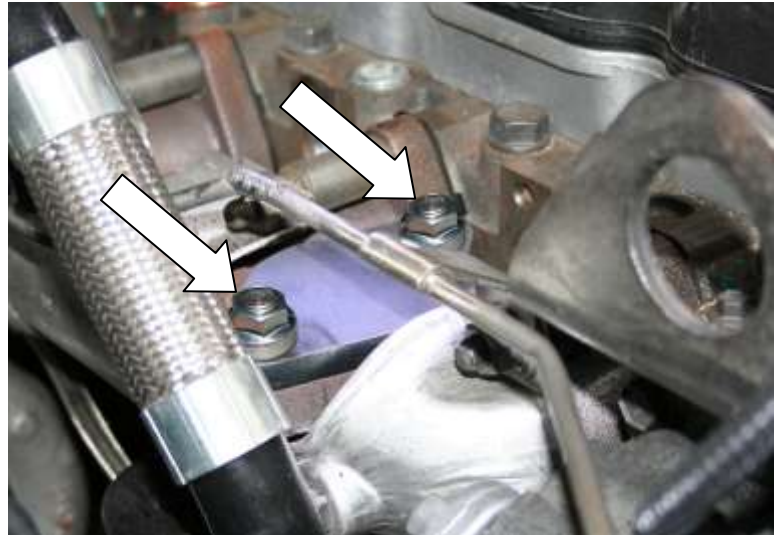
Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

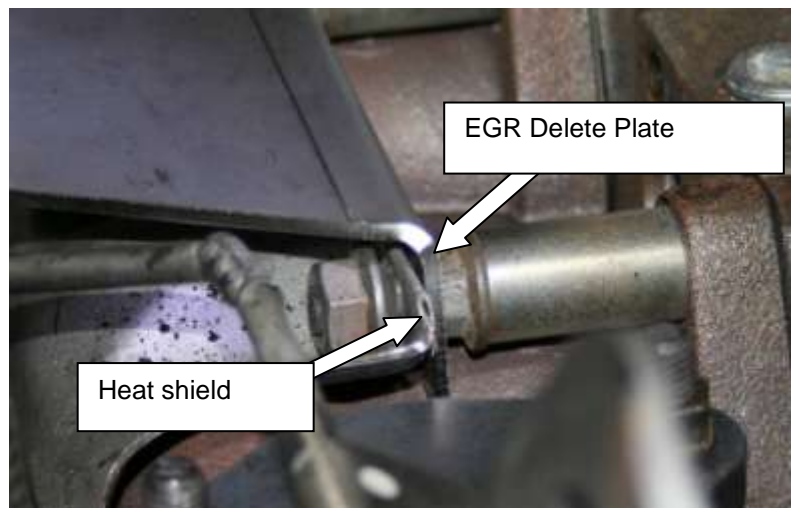
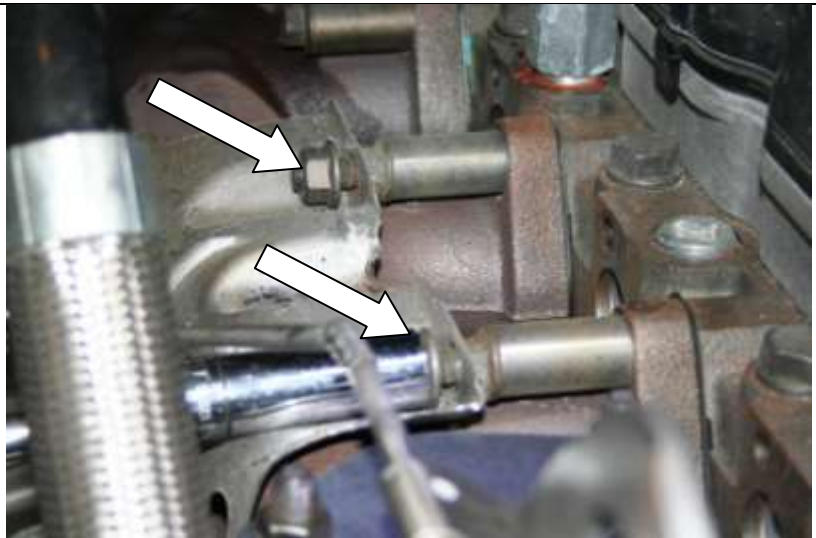
Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

24. Install the BD Front Exhaust Plate (1900034), reusing the OEM Nuts, OEM gasket and the supplied (1405976) M10 spacer. Torque to 18 ft/lbs.

Important: As explained in step 6 for the reuse of the engine cover, install the cover support bracket 1900039 (as shown) and torque to 18 ft/lbs. This will provide support for the passenger side cover bolt to connect to.



25. Loosen the top two manifold nuts about a 1/4". Install the EGR delete plate just behind the heat shield and tighten/torque the nuts (15mm) to 18 ft/lbs.



26. Install the transmission dipstick tube to the delete plate and torque to 89 in/lbs



27. Reinstall the existing back pressure tube with the factory bolt onto the delete bracket & leave loose.

If the vehicle is a 07-08 skip ahead to step 31 to complete the install.



28. Slide both orings onto the plug seating them into their individual oring grooves and insert the plug into the coolant tube.

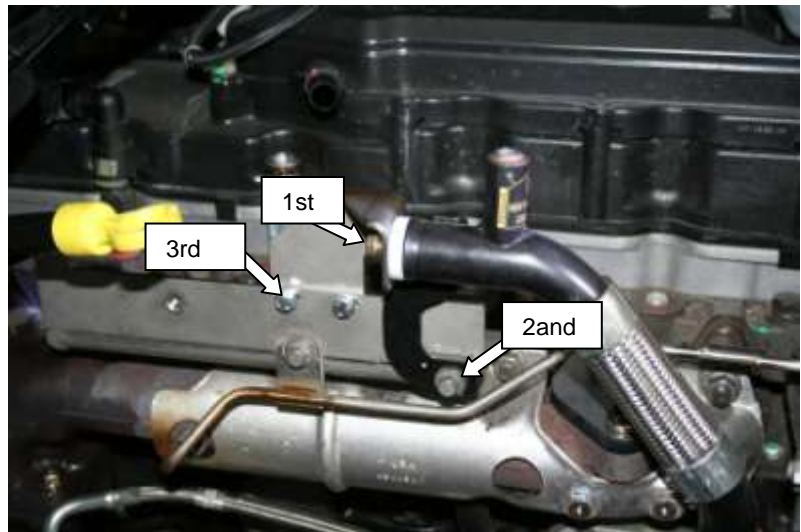


29. Install the accessory bracket starting with the coolant plug bolt then insert the other two bolts to secure the accessory bracket to the main bracket. Once complete install the coolant bracket to the main plate reusing the factory bolt.

Leave all bolts loose to allow for alignment.



30. Tighten the plug bolt , then tighten the coolant hose bracket bolt to 89 in/lbs then the EGR delete bracket to 89 in/lbs also.



31. Remove the coolant pipe from the head with a 1" deep socket.



32. And install the supplied threaded coolant plug in its place and torque to 18 in/lbs



BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

33. Reinstall the air box and the intake pipe.



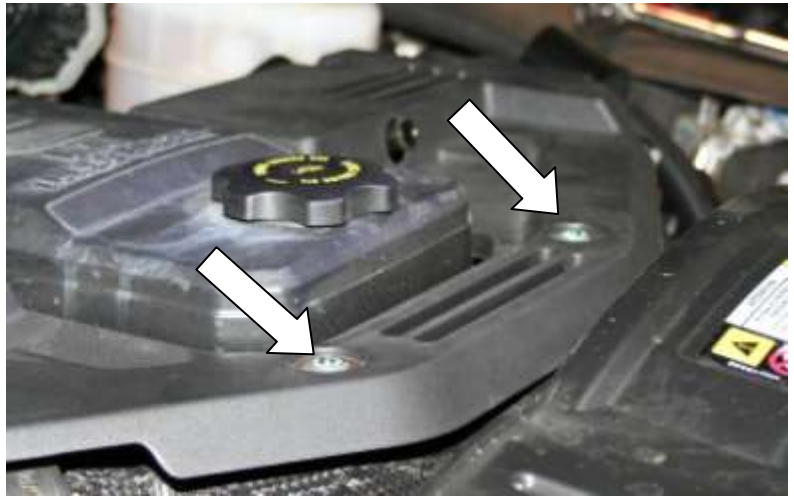
34. Reinstall the CCV hose that goes from the valve cover to the intake pipe and use the factory bolt to secure the hose to the New BD delete bracket and torque to 89 in/lbs



35. Ensure the drain valve on the radiator is secure and refill with water and coolant.



36. Reinstall the engine cover using the factory hardware into the supplied BD cover support brackets and the two connections at the front of the engine. Reinstall the dipstick and you have completed the install.



BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com