



EGR COOLERS & VALVES

EGR COOLERS

If you have had much experience with the newer diesel engines, the EGR system has likely caused your fleet down time. Bostech would like to point out a few things that could possibly change your mind about these engines. The engine oil cooler causes most of the EGR cooler and valve problems. The engine oil cooler becomes restricted because of a few reasons. The main reason is casting sands from the original forging of the engine block. These sands are released and get trapped in the oil cooler. When this happens coolant flow through the EGR cooler is restricted. The original design of the cooler can't cool the exhaust gas under these conditions, resulting in extreme heat. This heat will damage the EGR cooler, in some cases causing the coolant to flash boil inside the cooler. This will usually result in coolant loss through the water reservoir. This example will lead to a ruptured EGR cooler, and eventually a blown head gasket.

Bostech has redesigned the cooler using six large stainless steel tubes allowing for better flow. This allows the exhaust gases to be cooled more efficiently and decreases gunk deposit in the cooler. Thanks to decreased dwell time, the flash boiling problem has been solved.

Here is an example of what you can do to increase the reliability of one particular engine, The Ford Powerstroke 6.0L:

1. Replace engine oil cooler.
2. Replace EGR cooler with a Bostech redesigned cooler.
3. Replace head gaskets with the new design and install head studs.
4. Install newly designed high pressure oil stands with check valve.
5. Replace turbo drain tube with new design from Ford.
6. Use correct engine oil.



APPLICATION	OEM #	BOSTECH #	APPLICATION	OEM #	BOSTECH #
2004.5-2005 SILVERADO/TOPKICK 6.6L, VIN #2 LLY	97303654	EGR654	2004-2009 NAVISTAR DT466E (11.5" system w/square cooler)	1842590C93	EGR590
2006-2007 SILVERADO/TOPKICK 6.6L, VIN #D LBZ	97303654	EGR654	2004-2009 NAVISTAR DT466E (11.5" system w/updated round cooler)	1871733C95, 1848258C92	EGR733
2006-2007 SILVERADO/TOPKICK 6.6L, VIN #2 LLY	97358507	EGR507	2004-2009 NAVISTAR DT466E (17" system w/square cooler)	1842589C93, 1832540C94	EGR540
2007-2010 SILVERADO 6.6L, VIN #6 LMM	98034351	EGR351	2004-2009 NAVISTAR DT466E (21" system w/square cooler)	1832542C91, 1832542C94	EGR542
2007-2010 G-SERIES VAN 6.6L LMM	98034354	EGR354	2007-2009 CUMMINS GSX15, ISX	2881747NX, 2881784NX	EGR784
2007-2010 TOPKICK/KODIAK 6.6L LMM	98042441	EGR441	2002-2006 CUMMINS ISXCM870	2881783NX, 4956008NX,	EGR783
2007-2010 DODGE 6.7L	6802699AA	EGR699	CUMMINS ISB	4946088	EGR088
FORD 6.0L, NAVISTAR VT365 (2004 AND NEWER)	4C3Z9P456AF	EGR500	CUMMINS ISL, GSL	4955485	EGR485
FORD 6.0L (BEFORE 9/2003)	3CZ9P456AE	EGR501	MERCEDES-BENZ MBE904	9041420479	EGR904
2008-2010 FORD 6.4L (HORIZONTAL)	8C3Z9F464E	EGR464	MERCEDES-BENZ MBE906	9061421179	EGR900
2008-2010 FORD 6.4L (VERTICAL)	8C3Z9P456A	EGR456			
2004-2009 FORD 4.5L, INTERNATIONAL VT275	1846757C92	EGR504			

Bostech is always buying cores. If you have cores you would like to sell, please contact cores@bostechauto.com

EGR VALVES

EGR valves are replaced quite frequently due to soot build up that occurs. After build up begins to occur, the valve doesn't open and close properly causing the vehicle to run poorly. Many people initially try to clean these, but they cannot be cleaned efficiently using conventional methods. Bostech has developed a process that completely cleans the valves, and tests them in with methods that replicate operating conditions.



APPLICATION	OEM #	BOSTECH #
2003-2004 FORD 6.0L	5C3Z9F452AA, 1846490C91	EGR600
2004-2009 FORD 6.0L	3C3Z6C315AA, 1846296C91	EGR601
2002-2006 CUMMINS ISM	4955421RX	EGR421
2002-2006 CUMMINS ISX	4955422RX	EGR422
2008-2010 DODGE 6.7L		EGR701
2005-2006 DURAMAX 6.6L		EGR801



FORD 6.0L & NAVISTAR VT365 EGR COOLER KIT OPTIONS

OPTION #1



BOSTECH

EGR501-3
(PRE 9/2003)
EGR500-3
(POST 9/2003)

INCLUDES:

EGR COOLER
OIL COOLER
GASKET SET

OPTION #2



BOSTECH

EGR501-4
(PRE 9/2003)
EGR500-4
(POST 9/2003)

INCLUDES:

EGR COOLER
OIL COOLER
GASKET SET
INTAKE

OPTION #3



BOSTECH

EGR501-5
(PRE 9/2003)
EGR500-5
(POST 9/2003)

INCLUDES:

EGR COOLER
OIL COOLER
GASKET SET
INTAKE
EGR VALVE

300 WEST BROAD STREET, HEMINGWAY, SC 29554

BOSTECHFUEL.COM