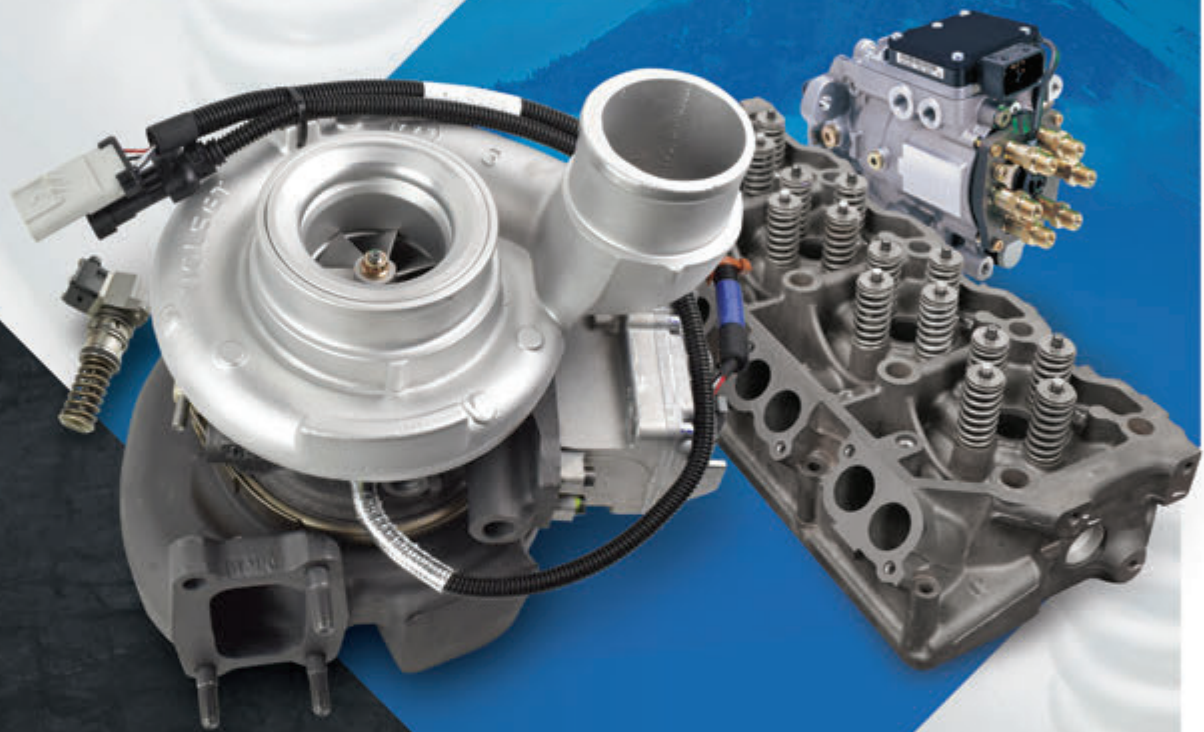


GRIZZLY

THE TOUGH PARTS YOU NEED



GRIZZLY PRODUCTS

CATALOG & CROSS-REFERENCE

INCLUDES

- NEW/REMAN EGR COOLERS & VALVES
- NEW COOLANT, EBP & EGT SENSORS
- REMANUFACTURED CYLINDER HEADS
- REMANUFACTURED ELECTRONIC UNIT PUMPS
- REMANUFACTURED TURBOCHARGERS & ACCESSORIES
- REMANUFACTURED HPOPS & FUEL INJECTION PUMPS




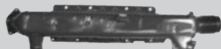





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EGR COOLERS



Most in the diesel service industry know how common it is to replace EGR coolers and oil coolers multiple times throughout the use of a vehicle's life. Destined to fail because of poor designs, these components just aren't made to last. Proper coolant flow is essential to all vehicle operations. When coolant flow is inhibited, for any reason, failure of crucial engine components can occur from extreme overheating. To help eliminate the failures of some common components due to overheating, Grizzly is proud to introduce its upgraded EGR Coolers.

Part #	Application	OE Part #	Years Used	Description	Product
GA100	CUMMINS ISX ENGINES	2881783NX, 4956008NX, 4089436NX	2002-2006	Generation 1, Reman EGR Cooler. Gaskets Included	
GA102	CUMMINS ISX ENGINES	2881747NX, 2881784NX, 4309398RX, 4309398NX	2007-2009	Generation 2, Reman EGR Cooler. Gaskets Included	
GA103	CUMMINS ISM ENGINES	4089380NX	2002-2006	Reman EGR Cooler - Hex shaped. No Gaskets Included	
GA105	CUMMINS ISM ENGINES	4955469NX	2007-2010	Reman EGR Cooler - Round shaped. No Gaskets Included	
GA106	CUMMINS ISB ENGINES	4946088	Various	Reman EGR Cooler Gaskets Included	
GA107	CUMMINS 5.9L ENGINES	4089256NX	Various	Reman EGR Cooler Gaskets Included	
GA108	CUMMINS 6.7L ENGINES	68026996AA, 68003399AA	2007-2008	Reman EGR Cooler Original OEM design. Gaskets Included	

Part #	Application	OE Part #	Years Used	Description	Product
GA109	CUMMINS 6.7L ENGINES	53041182AA, 68048991AA 68048988AA	2009-2011	Reman EGR Cooler New Design. Gaskets Included	
GA201N	DETROIT DIESEL SERIES 60 ENGINES - 3 Bolt	E23535288, 23538835	Various	New 3 Bolt EGR Cooler Gaskets Included	
GA300	FORD POWERSTROKE 4.5L ENGINES	1846757C92	2006-2010	Reman EGR Cooler (Lower Cab Forward) No Gaskets Included	
GA301	FORD POWERSTROKE 6.0L ENGINES	3C3Z9P456B	2003 UP TO 9/22/2003 F-SERIES	Reman EGR Cooler Gaskets Included LIMITED LIFETIME WARRANTY	
GA304N	FORD POWERSTROKE 6.0L ENGINES	4C3Z9P456AJ	2004-2007 F SERIES 2004-2010 E SERIES	New EGR, Gaskets Included LIMITED LIFETIME WARRANTY For Complete Replacement Kit including oil cooler and gaskets, order part GA304KAN	
GA 304KAN	FORD POWERSTROKE 6.0L ENGINES	4C3Z9P456AJ	2004-2007 F SERIES 2004-2010 E SERIES	EGR Kit Square Shape. EGR Cooler and Oil Cooler Combination Kit, Includes Intake Gasket Set (GA 309K) and Oil Cooler Gaskets. Contents: GA 304N, GA 309K , 3C3Z6A642CA.	
GA314	FORD POWERSTROKE 6.4L ENGINES	8C3Z9P456A	2008-2010 F SERIES	Vertical Reman EGR Cooler. Gaskets Included	
GA321N	FORD POWERSTROKE 6.7L ENGINES	BC3Z9V425A	2011-2019 F SERIES	EGR Kit Includes 1 EGR Cooler; All Required Gaskets; 10 Bolts	
GA400	GENERAL MOTORS 6.6 L VIN#2 LLY, VIN#D LBZ	97303654	2004.5-2007 SILVERADO, SIERRA	Reman EGR Cooler Gaskets Included	
GA401	GENERAL MOTORS 6.6 L VIN#2 LLY	97358507, 8973585071	2006-2007 SILVERADO, SIERRA, KODIAK	Reman EGR Cooler Gaskets Included	
GA402	GENERAL MOTORS 6.6 L VIN#6 LMM	98034351	2007-2010 SILVERADO, SIERRA	Reman EGR Cooler No Gaskets Included	
GA403	GENERAL MOTORS 6.6 L ENGINES VIN#6 LMM	8980064853, 98034354	2007+ EXPRESS, SAVANA	If OEM cooler doesn't use sensors GM# 94015392 (Plugs) will be needed. Reman EGR, Gaskets Included	
GA404	GENERAL MOTORS 6.6 L ENGINES VIN#6 LMM	98042441	2007-2009 TOPKICK, KODIAK	Reman EGR Cooler Gaskets Included	
GA500N	MERCEDES BENZ MBE904 ENGINES	9041420479	VARIOUS	New EGR Cooler Gaskets Included	
GA501	MERCEDES BENZ MBE906 ENGINES	9061421179	VARIOUS	New EGR Cooler Gaskets Included	






Part #	Application	OE Part #	Years Used	Description	Product
GA502	MERCEDES BENZ MBE4000 ENGINES	DDE/EA 4601420679	VARIOUS	Reman EGR Cooler No Gaskets Included	
GA503	MERCEDES BENZ MBE4000 ENGINES	A4601421079	VARIOUS	Reman EGR Cooler No Gaskets Included	
GA300	NAVISTAR VT275 ENGINES	1846757C92	2006	Reman EGR Cooler No Gaskets Included	
GA301	NAVISTAR VT365 ENGINES	3C3Z9433AA, 3C3Z9P456B	2002.5-2003	Reman EGR Cooler Gaskets Included	
GA304N	NAVISTAR VT365 ENGINES	1845145C97	2004-2006	New EGR Cooler Gaskets Included	
GA 600FXN	NAVISTAR DT466E ENGINES	1842590C93, 1871733C95	2004-2006	New EGR 11 1/2" (Replaces Square Shaped Coolers) Gaskets Included	
GA 601FXN	DT466E, HT570, DT570 NAVISTAR ENGINES	1842589C93, 1832540C94	2004-2007	New EGR 17 Gaskets Included	
GA 602FXN	NAVISTAR DT466E ENGINES	1832542C91, 1832542C94	2004-2009	New EGR 21" Gaskets Included	
GA603N	NAVISTAR DT466E ENGINES	1871733C95, 1848258C92	2006-2008	New EGR 11 1/2" Round shape (If OE unit is square, please see GA600FXN) Gaskets Included	
GA604N	NAVISTAR MAXXFORCE DT / 9 / 10 ENGINES	1876261C98, 7090595C91	2008+	New EGR, Exhaust side. Gaskets Included	
GA605N	NAVISTAR MAXXFORCE DT / 9 / 10 ENGINES	1876262C95, 4307362R91	2008+	New EGR, Intake side. Gaskets Included	
GA614N	(Now Available) MAXXFORCE DT / 9 / 10 ENGINES - EPA10	1889336C98, 5010734R92, 1883581C1, 7082870C2, 2513976C92, 2515854C91, 2515854C92	2011+	New EGR Cooler (Manufacturer Recommends replacing turbocharger oil drain line, see GA615N pg.16) Gaskets Included	
GA700	VOLVO D12D ENGINES	85110346	2003-2007	Reman EGR Cooler with reed valve. Gaskets Included	
GA701	VOLVO D12D ENGINES	85110346	2003-2007	Reman EGR Cooler no reed valve. Gaskets Included	
GA702	VOLVO D13 ENGINES	85136258, 85134017, 85132028, 85124969, 8511060, 22134241, 85136428	2008-2016	Reman EGR Cooler Includes V-Band clamp, hose clamp, seal ring and mounting gasket.	
GA703	VOLVO D16 ENGINES	21480646, 85136429, 22134242	2012-2015	Reman EGR Cooler Includes V-Band clamp, hose clamp, seal ring and mounting gasket.	










EGR VALVES & MORE



Our quality replacement EGR valves are built to outlast original equipment products to help prevent constant replacements. With Grizzly EGR Valves you can maintain the emissions standards that ensure your vehicle is performing to its maximum potential.






Part #	Application	OE Part #	Years Used	Description	Product
GA101N	CUMMINS ISX ENGINES	3104874, 3682805, 3682954, 3682974, 3683305, 3683446, 3684004, 4955422, 4955422NX, 4955422RX	2002-2006	Generation 1 ISX New EGR Valve Gaskets Included	
GA104N	CUMMINS ISM ENGINES	2102745, 3103361, 3103765, 3103824, 3104875, 4921905, 4955421 4955421RX	2002-2007	Generation 1 ISM New EGR Valve Gaskets Included	
GA110N	CUMMINS ISX ENGINES	4955969NX, 4955969RX	2008-2010	New EGR Valve Gaskets Included	
GA202N	VOLVO ENGINES	20506894, 20704284, 20764334, 20865398, 21001173, 85000785, 85000816, 85000908, VPT21001173RM	2003-2009	New EGR Valve. Gaskets Included	
GA302	FORD POWERSTROKE 6.0L ENGINES	4C3Z9F452A, CX2056, 1846490C91, 1846491C91	2002.5-2003	Early Model, Reman EGR Valve No Gaskets Included	





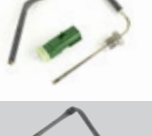








Part #	Application	OE Part #	Years Used	Description	Product
GA305	FORD POWERSTROKE 6.0L ENGINES	5C3Z9F452AA, CX2020	2004-2010	Late Model, Reman EGR Valve No Gaskets Included	
GA504N	MERCEDES ENGINES	RA4601420419	2003-2007	New EGR Valve Gaskets Included	
GA610N	INTERNATIONAL ENGINES	1842593C91, 1842593C92	2003-2006	New EGR Valve Gaskets Included	
GA611N	INTERNATIONAL ENGINES	1873842C92, 1875808C1, 1878918C1, 1878918C2	2007-2011	New EGR Valve Gaskets Included	
GA612N	INTERNATIONAL ENGINES	5010696R94, 7092735C93, 7092735C94	2011-2014	New EGR Valve Gaskets Included	
GA618N	INTERNATIONAL MAXXFORCE DT, 9 AND 10	1890997C92, 1890997C93, GA613N	2011-2016	New EGR Valve Gaskets Included	
GA320N	FORD POWERSTROKE 6.0L ENGINES	1886511C93	2004-2007 F SERIES 2004-2010 E SERIES 2004-2010 VT365 ENGINES	New Oil Cooler Kit Includes Gaskets and Oil Cooler	

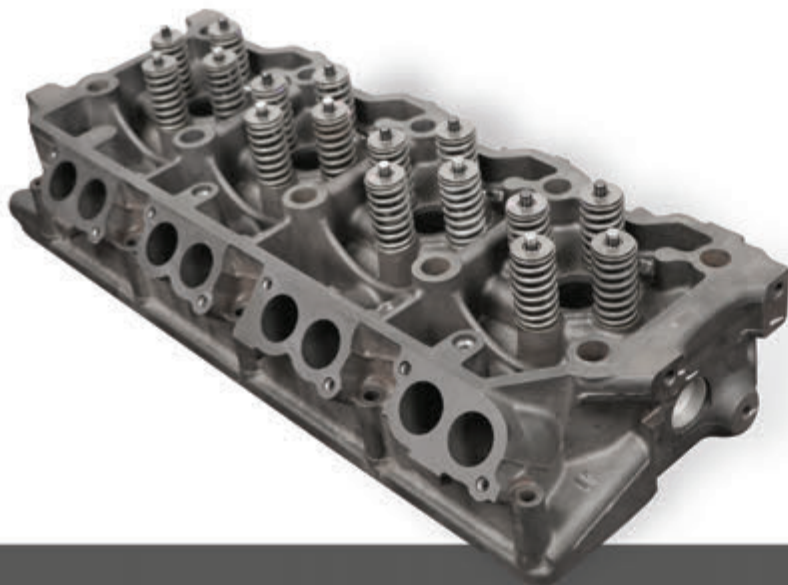


COOLANT, EBP AND EGT SENSORS

Our OE quality replacement sensors are constructed with ultra-durable materials to hold up against the most extreme conditions; ensuring prompt and accurate exhaust gas temperature measurements and engine protection. Grizzly is your provider of top-quality engine management products.







Part #	Application	OE Part #	Description	Product
GA31006	VOLVO TRUCK	20889280 / 20451990 / 4904050	NEW HD, ETS, EGT SENSOR	
GA31009	MITSUBISHI FUSO	ME230527	NEW HD, ETS, EGT SENSOR	
GA31010	MITSUBISHI FUSO	ME230528	NEW HD, ETS, EGT SENSOR	
GA31014	VOLVO TRUCK	21010707	NEW HD, ETS, EGT SENSOR	
GA31020	VOLVO TRUCK	21225020	NEW HD, ETS, EGT SENSOR	

Part #	Application	OE Part #	Description	Product
GA31021	VOLVO TRUCK	21164790	NEW HD, ETS, EGT SENSOR	
GA31022	VOLVO TRUCK	21164414	NEW HD, ETS, EGT SENSOR	
GA31024	ISUZU	8980043300	NEW HD, ETS, EGT SENSOR	
GA31025	ISUZU	8980043290	NEW HD, ETS, EGT SENSOR	
GA31026	DETROIT DIESEL	A6805402017	NEW HD, ETS, EGT SENSOR	
GA31027	DETROIT DIESEL	A6805401917	NEW HD, ETS, EGT SENSOR	
GA31028	DETROIT DIESEL	A6805402117	NEW HD, ETS, EGT SENSOR	
GA31029	DETROIT DIESEL	A6805401517	NEW HD, ETS, EGT SENSOR	
GA31030	VOLVO TRUCK	21164792	NEW HD, ETS, EGT SENSOR	
GA31031	CUMMINS	4902912	NEW HD, ETS, EGT SENSOR	
GA31032	CUMMINS	4954574	NEW HD, ETS, EGT SENSOR	
GA21005	CUMMINS	4928594	NEW EXHAUST BACK PRESSURE SENSOR	
GA11050	CUMMINS	4954905	NEW ENGINE COOLANT TEMPERATURE SENSOR	


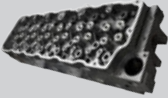

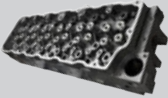


REMANUFACTURED CYLINDER HEADS

This new offering from Grizzly includes many of the most popular light-duty to mid-range diesel cylinder heads that most shops like yours encounter. The high-quality methods used in the remanufacturing of these OEM cylinder head castings, along with the use of high-quality replacement parts, make for an unbeatable and highly durable product that helps support your service reputation.

Part #	Application	Description	Product
GA11000R	6.7 LITER CUMMINS	Includes reman cylinder head Includes Head gasket-head bolts	
GA12000R	6.7 LITER CUMMINS	Includes reman cylinder head Includes Head gasket-head bolts	
GA13000R	5.9 LITER COMMON RAIL CUMMINS	Includes reman cylinder head Includes Head gasket-head bolts	
GA30000R	6.0 LITER	Identified by three 8mm bolt holes Includes reman cylinder head Includes Updated head gasket-head bolts Includes Updated push tubes	
GA31000R	6.0 LITER	Identified by two 10mm bolt holes Includes reman cylinder head Includes Updated head gasket-head bolts Includes Updated push tubes	
GA31500R	6.0 LITER O-RING VERSION	Performance upgrade with 10mm bolt holes Includes reman "o-ring" cylinder head Includes Updated head gasket-head bolts Includes Updated push tubes	




Part #	Application	Description	Product
GA32000R	6.0 LITER	Identified by two 8mm bolt holes Includes reman cylinder head Includes Updated head gasket-head bolts Includes Updated push tubes	
GA33000R	6.0 LITER	Identified by eight 8mm bolt holes Includes reman cylinder head Includes Updated head gasket-head bolts Includes Updated push tubes	
GA33500R	6.0 LITER O-RING VERSION	Performance upgrade with 8mm bolt holes Includes reman “o-ring” cylinder head Includes Updated head gasket-head bolts Includes Updated push tubes Dowel reducers may be required for some configurations	
GA34000R	6.7 LITER SCORPION RIGHT SIDE EARLY	Includes reman cylinder head Includes Head gasket-head bolts	
GA35000R	6.7 LITER SCORPION LEFT SIDE EARLY	Includes reman cylinder head Includes Head gasket-head bolts	
GA36000R	6.7 LITER SCORPION LEFT SIDE LATE	Includes reman cylinder head Includes Head gasket-head bolts	
GA37000R	6.7 LITER SCORPION RIGHT SIDE LATE	Includes reman cylinder head Includes Head gasket-head bolts	
GA38000R	6.4 LITER	Includes reman cylinder head Includes Head gasket-head bolts	
GA40000R	6.6 LITER RIGHT SIDE LB7	Includes reman cylinder head Includes Head gasket-head bolts	
GA41000R	6.6 LITER LEFT SIDE LB7	Includes reman cylinder head Includes Head gasket-head bolts	
GA42000R	6.6 LITER RIGHT SIDE LLY	Includes reman cylinder head Includes Head gasket-head bolts	
GA43000R	6.6 LITER LEFT SIDE LLY	Includes reman cylinder head Includes Head gasket-head bolts	
GA44000R	6.6 LITER RIGHT SIDE LBZ	Includes reman cylinder head Includes Head gasket-head bolts	
GA45000R	6.6 LITER LEFT SIDE LBZ	Includes reman cylinder head Includes Head gasket-head bolts	

Part #	Application	Description	Product
GA46000R	6.5 LITER G VAN	Includes reman cylinder head Includes Head gasket-head bolts	
GA47000R	6.5 LITER TRUCK	Includes reman cylinder head Includes Head gasket-head bolts	
GA60000R	444TE	Includes reman cylinder head Includes Head gasket	
GA61000R	466E	Includes reman cylinder head Head gasket-head bolts sold separately	
GA62000R	466E	Includes reman cylinder head Head gasket-head bolts sold separately	
GA63000R	466EGR	Includes reman cylinder head Head gasket-head bolts sold separately	
GA64000R	MAXXFORCE DT	Includes reman cylinder head Head gasket-head bolts sold separately	
GA65000R	MAXXFORCE DT	Includes reman cylinder head Head gasket-head bolts sold separately	



REMANUFACTURED EUPs

Now Available, Remanufactured Electronic Unit Pumps! These EUPs are remanufactured to provide the utmost standard of excellence. Utilizing genuine parts and calibrated on specially designed test stands, Grizzly EUPs provide a quality product unmatched by others in the market.

Part #	Application	OE Part #	Description	Product
0 986 445 011	2003-2006 E7 SERIES	313GC5233M, 313GC5233MX, 0 414 755 014, 0 986 445 012, 0 414 755 015	Reman EUP	
0 986 445 008	2001-2002 E7 SERIES	313GC5230M, 313GC5230MX, 0 414 755 006, 0 414 755 007, 0 986 445 009	Reman EUP	
0 986 445 004	1997-2001 E7 SERIES	322GC42, 3313GC5227M, 313GC5227MX, 0 414 755 002, 0 414 755 003, 0 986 445 001	Reman EUP	





***Cores will be accepted as complete units only. If missing parts, core will not be accepted.**









***Cores will be accepted regardless of part number or tag readability.**


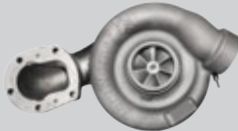



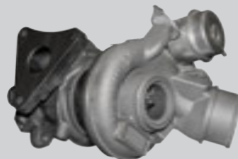





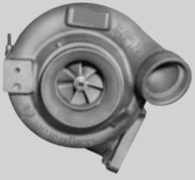

REMANUFACTURED TURBOS & ACCESSORIES

Now Available, Remanufactured Turbochargers! These turbochargers are remanufactured to provide the utmost standard of excellence. Utilizing genuine parts and calibrated with specially designed tools, Grizzly remanufactured products provide a quality product unmatched by others in the market.

Part #	Application	OE Part #	Description	Product
5326058	2013-2018 DODGE/RAM TRUCKS - 6.7L EPA 13	3794756, 4309356, 4352218, 5326055, 5327045, 532704500, 5501330, 68210648AA, 68212738AA, 68297874AA, 68321377AA, 68253983AA	Reman Turbocharger	
5327046	2013-2018 DODGE/RAM TRUCKS - 6.7L CAB & CHASSIS ONLY EPA 13	5326054, 5326057, 5327046HX, 532704600, 5326057HX, 5501329	Reman Turbocharger	
3770973	2007-2012 DODGE/RAM TRUCKS - 6.7L EPA 07	3799840H, 532234400, 5322344, 5325950H, R8048234AH, R8048234AI	Reman Turbocharger	
4032772HX	2007.5-2012 DODGE/RAM TRUCKS - 6.7L	4034315H, 4034315HX, 4034315RX, 4032772	Holset Brand Reman Actuator (Requires Calibration)	

Part #	Application	OE Part #	Description	Product
5494878H	2013-2018 DODGE/RAM TRUCKS - 6.7L	68307025AA, 4034309H, 4034309, 403430900, 4034309H, 403430900, 4034309	Holset Brand New Actuator (Requires Calibration) (Some Applications May Require Pigtail Adapter # 5347703H)	
2842765	2007-2012 DODGE/RAM TRUCKS - 6.7L EPA 07	2842765	Reman Turbocharger Exhaust Outlet Pipe	
4043600	2004.5-2006 DODGE/RAM TRUCKS - 5.9L	05135784AA, 05135784AB, 05143256AA, 4037001, 4037002, 4089673, 408979700, R5135784AB, R5143256AA	Reman Turbocharger	
12709901038	2008-2010 6.4L FORD F-SERIES	1848303C1, 1848303C2, 1848303C3, 4307200R1, 8C3Z6K682B, 8C3Z6K682BARM, 8C3Z6K682DARM	Reman High Pressure Turbo without Actuator	
479523	2008-2010 6.4L FORD F-SERIES	1700702139, 1848301C1, 4307201R1, 8C3Z6K682A, 8C3Z6K682AARM	Reman Low Pressure Turbocharger	
479030	2003-2008 INTERNATIONAL/NAVISTAR 7.6L DT466, MAXXFORCE DT	1842337C92, 1842582C97, 1842582C95, 1842582C94, 1842582C96, 1842337c91, 1842582C93, 1842582c91, 1842337C95, 1842337C94, 1842582C92, 1842337C93, 5010314R94, 5010314R95, 5010314R96, 5010581R91, 1842582C98, 1870932C94, 1870932C92, 1870932C91, 1870932C93	Reman ITEC S300V110 Turbocharger	
479032	2003-2008 INTERNATIONAL/NAVISTAR 7.6L MAXXFORCE DT466, I313	1842216C94, 1842216C91, 1842216C93, 1842216C95, 5010575R91, 1842216C92, 1842580C93, 1870931C91, 1870931C92, 1870931C93, 5010313R94, 1870931C94	Reman ITEC S300V111 Turbocharger	
479035	2005-2012 INTERNATIONAL/NAVISTAR 6.7L MAXXFORCE DT466, I313	1850404C95, 5010569R91, 1871090C93, 1871090C92, 1871090C91, 1832204C91, 1832204C94, 5010568R91, 1832204C92, 1832204C93	Reman ITEC S300V129 Turbocharger	









Part #	Application	OE Part #	Description	Product
12709900008	2009-2012 INTERNATIONAL/ NAVISTAR 13.0L MAXXFORCE 13, I783	3005699C92, 5011054R91, 3007665C92	Reman B2XG (High Pressure Turbocharger)	
13879900004	2009-2014 INTERNATIONAL/ NAVISTAR 13.0L MAXXFORCE 11/13/15, I783	3005700C93, 3007664C94, 3005700C93, 5011058R91, 3014696C92, 3005700C92	Reman B3RS Low Pressure Turbocharger	
12639900001	2005-2010 INTERNATIONAL/ NAVISTAR 7.6L MAXXFORCE DT466, I326	1881102C91, 1881102C92, 5010720R91, 1850493C91, 1881102C93, 1832666C91, 1876116C91, 1881104C93, 1881104C92, 1881104C91, 1876116C91, 1876116C93, 1876116C95, 1876116C96, 1876116C94	Reman B2UV Turbocharger	
12639900002	2007 INTERNATIONAL/ NAVISTAR 7.6L MAXXFORCE DT466, I326	177535, 1850495C91, 1876118C96, 1876118C91, 1881105C93, 1876118C92, 1850495C91, 1876118C95, 1876118C94, 1876118C93, 1881105C92, 1881105C91, 5010722R91, 1872258C91, 1881106C92, 5010704R91, 1881106C93	Reman B2UV Turbocharger	
12639900003	2005-2010 INTERNATIONAL/ NAVISTAR 9.3L MAXXFORCE 9, DT466, I326, I570	177537, 1877446C91, 1883556C92, 1881107C93, 1881107C91, 1881107C92, 1877634C96, 5010706R91, 5010724R91	Reman B2UV Turbocharger	
11559900047	2010-2012 INTERNATIONAL/ NAVISTAR 7.6L MAXXFORCE DT466, I334	5010930R91, 1882868C1, 1882868C91, 1891557C93, 1889486C92	Reman B1UG, R2S High Pressure Turbocharger	
12749900075	2010-2012 INTERNATIONAL/ NAVISTAR 7.6L MAXXFORCE B2FS	1899113C93, 5010936R91, 1889487C93, 1891392C92, 1891392C93, 179510	Reman B2FS,R2S Low Pressure Turbocharger	
12749900076	2010-2012 INTERNATIONAL/ NAVISTAR 7.6L MAXXFORCE DT, I334	179511, 1891335C1, 1891335C93, 1889489C94	Reman B2FS Low Pressure Turbocharger	

Part #	Application	OE Part #	Description	Product
11559900048	2010 INTERNATIONAL/ NAVISTAR 6.4L MAXXFORCE 7, V179	179337, 1155 970 0050, 7080088C92, 5010803R92, 1897457C94	Reman B1UG (High Pressure Turbocharger)	
12749900078	2010-2012 INTERNATIONAL/ NAVISTAR 6.4L MAXXFORCE 7, V152	179338, 5010808R92, 1897459C93, 1889568C93	Reman B2US Low Pressure Turbocharger	
GA615N	2010-2015 INTERNATIONAL / NAVISTAR MAXXFORCE DT, 9 AND 10	1885590C93	New Turbocharger Oil Drain Tube (Manufacturer Recommends replacing turbocharger oil drain line when replacing EGR cooler)	



REMAN HPOPs & FUEL INJECTION PUMPS

Now Available, Remanufactured High Pressure Oil Pumps and Fuel Injection Pumps! These products are remanufactured to provide the utmost standard of excellence. Utilizing genuine parts and calibrated with specially designed tools, Grizzly remanufactured products provide a quality product unmatched by others in the market.

Part #	Application	OE Part #	Description	Product
HP032X	2003-2004 FORD F-SERIES - 6.0L	3C3Z9A543AARM, 4C3Z9A543AARM, 1838828C91, HTP123	Reman High Pressure Oil Pump	
F8C	1999.5-2003 FORD F-SERIES AND E-SERIES - 7.3L	F81Z9A543CRM, 1831449C91, 2589446C91, 501009R91, HTP104, HTP108, HPP400, HP008X	Reman High Pressure Oil Pump	
F8B	1998-1999.5 FORD F-SERIES AND E-SERIES - 7.3L	F81Z9A543BRM, 1830857C91, 2503704C91, 991964C93, F81Z9A543BRM, HTP107, HPP300, HP007X	Reman High Pressure Oil Pump	
F6	1996-1997 FORD F-SERIES AND NAVISTAR T444E	F6TZ9A543ARM, 1825248C91, 1825259C91, 2503703C91, 1826794C93, 991935C94, HTP105, HP200	Reman High Pressure Oil Pump	
F4	1994-1995 FORD F-SERIES AND NAVISTAR T444E	F4TZ9A543BRM, 1825247C91, 1825260C91, 1825271C93, 2503701C91, 991936C95, HTP104, HPP100, HP004X	Reman High Pressure Oil Pump	
IPVR15XPLUS	1998.5-2002 DODGE/RAM TRUCKS - 5.9L 235HP	3937671, 0-470-506-027, 0-986-444-022, IPVR15X IPVR11X	Reman VP44 *2 Year Warranty	
IPVR16XPLUS	1998-2002 CAB & CHASSIS	3937672, 0-470-506-029, 0-986-444-024, IPVR16X	Reman VP44 *2 Year Warranty	
IPVR17XPLUS	1998.5-2002 DODGE/RAM TRUCKS - 5.9L 245HP	3937670, 0-470-506-021, 0-470-506-028, IPVR17X	Reman VP44 *2 Year Warranty	



Quick Check Advantages

- No other special tools needed
- Quickest and easiest connections available
- Simulates a constant air load for accurate diagnostics
- Fits most charge air cooler connection types
- Relief valve and restraints for safety
- Includes compact carrying case

Part #: A351CAS

THIS COMPLETE KIT COMES WITH ALL ADAPTERS AND FITTINGS TO TEST ALL TRUCK SIZES, PICKUPS THRU CLASS 8 TRACTORS

Learn More: www.Av-Tekk.com

INSTRUCTIONS FOR USING THE "QUICK CHECK" LEAK TEST KIT

Av-Tekk's new Test Kit may be used to test the pressure drop of most known sizes of charge-air coolers (CAC).

According to most O.E. Manufacturer's Specifications, charge-air coolers that show a static pressure drop greater than 5 PSI in a 15 second test, beginning at 30 PSI, should be replaced. Av-Tekk's new CAC Test Kit provides tools for you to safely determine whether any CAC passes or fails the manufacturer's test.

IMPORTANT!

USING HIGH AIR PRESSURES AND LARGE TEST PLUGS MAY PRODUCE DANGEROUS RESULTS!

Please read the warnings supplied with the test kit before following these instructions.

The test plugs in this set are heavier duty than most. Notice that each has a thicker washer to prevent cupping when you tighten the test plugs in the opening. They also have 4" long cast handles that permit you to tighten them more easily.

Inspect the inside of the opening and the test plug rubber, to make sure both of these surfaces are clean and dry. Test plugs should be installed flush with the opening and tightened firmly by hand. Install the Test Plug Clamp, positioning it over the handle so the notched portion of the clamp engages the outside of the inlet/outlet just behind the bead. Hand tighten the long wing bolts equally, and check again to make sure that the notched portion of the clamp is engaged behind the bead at four points. Hand tighten the wing bolts until snug or use an open-end wrench to tighten. Do not over tighten!

If the cooler has been removed from the vehicle, position it so the open stem is pointing up. Next, connect the brass tester at the quick disconnect side. This tester is equipped with a pop-off safety valve that has been preset to 35 lbs maximum pressure. **DO NOT CHANGE THIS SETTING OR TAMPER WITH THIS DEVICE IN ANY MANNER.** Keep this safety valve clean and dry. Check it occasionally to make sure that it releases pressure at the 35 lbs setting. Replacement safety valves and other parts are available if ever needed.

After checking to make sure everything is properly secured, introduce air through the air stem using a common tire chuck. Increase the air pressure to precisely 30 PSI and then measure the pressure drop, if any, for a period of 15 seconds.

As soon as you have finished testing the charge-air cooler, return all parts of this set to the plastic case provided, and close it to keep them clean and dry for their next use.

WARNING!

- WEAR SAFETY GLASSES WHEN TESTING.
- NEVER TEST A CHARGE-AIR COOLER WITHOUT HAVING BOTH OF THE PLUGS AND CLAMPS PROPERLY INSTALLED!
- DO NOT LEAN OVER PLUGS WHEN COOLER IS PRESSURIZED!
- IF YOU EVER ACCIDENTALLY OVER PRESSURIZE A COOLER WITHOUT FIRST INSTALLING THE SAFETY CLAMPS, IT COULD SEND A THREE POUND MISSILE MORE THAN 125 FEET, AT A VELOCITY OF OVER 75MPH.
- NEVER POINT A LOADED CAC PLUG IN THE DIRECTION OF COWORKERS, THE PUBLIC, OR YOURSELF! SEVERE PERSONAL INJURY OR LOSS OF LIFE IS POSSIBLE!



Warranty Terms

Unless otherwise noted, all Grizzly products are backed by a 12 month/unlimited miles warranty. Grizzly (as represented by its parent company DieselUSA Group, Inc.) offers a limited warranty for each of our products against defects in manufacture and/or materials. The warranty period (the "Warranty Period") is as outlined above, unless otherwise noted. Grizzly's warranty period begins from the date of install and the warranty shall apply only to the parts purchased. If during the Warranty Period, any of our Products fail to function as designed and not as a result of outside damage, improper installation or misapplication, Grizzly (DieselUSA Group, Inc.) will repair or replace the component, at its option (based on our warranty terms).

The Products are provided on an "as is" with all faults basis and with no warranty except the express warranty set forth above. To the maximum extent permissible by law, Grizzly disclaims all other warranties, including, but not limited to, the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. Under no circumstances shall Grizzly, its directors, shareholders, officers, agents, employees, successors or assigns be liable for any injuries or damages whatsoever to any person or property arising from the installation or use of the products, which shall include, but not be limited to, consequential, incidental, special, exemplary or punitive damages. To the maximum extent permissible by law, Grizzly's liability in all events is limited to, and shall not exceed, the purchase price paid for any Product that gives rise to any liability.

Grizzly shall be in no way responsible for the Products proper use and service and by purchasing any of the Products, you hereby waive all rights, other than those expressly written herein. This warranty shall not be extended, altered or varied.

Any Product that is in question of warranty must be returned prepaid to Grizzly and must be accompanied by a dated proof of purchase receipt. All Products will be checked and repaired, or replaced, at the sole discretion of Grizzly. Any Product returned for warranty consideration that tests within specs will be assessed a \$50 fee for cleaning / testing and will be returned at the customer's expense. All warranty claims are subject to approval by Grizzly. Under no circumstances shall Grizzly be liable for any labor charged or travel time incurred in diagnosis for the defects, removal, or reinstallation of the Product or any other contingent expenses.

NO LABOR, DOWN TIME, TOWING, TRAVEL, LODGING, CONSEQUENTIAL DAMAGE, INCIDENTAL DAMAGE, SPECIAL DAMAGE, EXEMPLARY DAMAGE OR ANY OTHER EXPENSE IS COVERED. IN THE EVENT YOU DO NOT AGREE WITH THESE TERMS, YOU MAY PROMPTLY RETURN THE PRODUCT AS PROVIDED BELOW, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE TO THE PLACE OF PURCHASE WITHIN THIRTY (30) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND. THE INSTALLATION OF THIS PRODUCT INDICATES THAT YOU HAVE READ AND UNDERSTAND THIS AGREEMENT AND ACCEPT ITS TERMS AND CONDITIONS.

WARRANTY COVERAGE AND/OR SPECIAL CONSIDERATIONS MAY BE OUTLINED AT THE BEGINNING OF THIS DOCUMENT.



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Grizzly offers dependable solutions that provide outstanding performance and increased durability throughout our range of products.

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