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BD Ford Screamer Drop-in Replacement
2003-07 Ford 6.0L

1045820	61mm	Stage 1
1045821	63mm	Stage 2

PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION

BD Engine Brake Inc.

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

US Shipping Address: 88-446 Harrison St, Sumas, WA 98295 US Mailing Address: PO Box 231, Sumas, WA 98295

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

PRE-INSTALLATION

A new turbocharger will not solve the following failures:

- Oil contamination
- Restrictive oil drain
- Over speed due to a boost leak
- Exhaust leaks due to faulty bellows, clamps, or seals

Turbo over speed will lead to premature turbo failure. Boost pressure can be used to estimate turbo speed. The table below shows maximum allowable turbo speed for a stock motor at 3750rpm. A restrictive exhaust or boost leak will cause an increased wheel speed.

Turbo	Max Wheel speed	Max boost (psi)	Max Boost with restrictive intake (psi)
Stage 1	130,000 rpm	38	31
Stage 2	121,000 rpm	43	36










INSTALLATION

BD's Ford 6.0L screamer utilizes one turbine housing for all 2003-2007 pickups. Bracket part number 1407556 is used to mount on trucks 2004.5-2007. Early model trucks will not need to use this bracket.

Use bolts FT-11115722 and bracket 1407556 on the rearmost mounting flange on the turbine housing. It is suggested to bolt (hand tight) 1407556 to the pedestal prior to turbo installation. Remember to tighten all mounting bolts after turbo is mounted.

KIT CONTENTS:

Please check to make sure that you have all the parts listed in this kit **before** you start!

Kit # 1045820/21			
1405820/21		1407556	
			
<i>Turbo</i>		<i>Bracket: 2004-07 Pedestal</i>	
Qty: 1		Qty: 1	
FT-11115722	FT-11115717	FT-11115725	FT-11115714
			
<i>Bolt; M8x16</i>	<i>Bolt; M6x20</i>	<i>Bolt; M8x30</i>	<i>Bolt; M6x10</i>
Qty: 2	Qty: 1	Qty: 3	Qty: 1
1400284	1400283	2485006	
			
<i>O-Ring; 12.29mmx3.53mm</i>	<i>O-Ring; #210</i>	<i>Gasket; 6.0L</i>	
Qty: 1	Qty: 2	Qty: 1	

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