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

<b>1045820</b>	<b>61mm</b>	<b>Stage 1</b>
<b>1045821</b>	<b>63mm</b>	<b>Stage 2</b>

**PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION**

## **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 or boost leak will cause 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 & RELEARN PROCEDURE**

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 (23ftlbs).

The re-learn procedure allows the ECM to relearn the VGT control valve parameters. Whenever a turbocharger is installed, disconnect the batteries, apply the foot brake to drain any residual electrical energy using the rear brake lights. Once this is complete, reconnect the batteries and you can use a scan tool to check the new turbo control valve parameters sweep through the desired range.

Failure to allow the ECM to relearn the new control solenoid could result in no boost.

# KIT CONTENTS:

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

Kit # 1032130			
1045820/21		1407556	
			
<i>Turbo</i>		<i>Bracket: 2004-07 Pedestal</i>	
<b>Qty: 1</b>		<b>Qty: 1</b>	
FT-11115722	FT-11115717	FT-11115725	FT-11115714
			
<i>Bolt; M8x16</i>	<i>Bolt; M6x20</i>	<i>Bolt; M8x30</i>	<i>Bolt; M6x10</i>
<b>Qty: 2</b>	<b>Qty: 1</b>	<b>Qty: 3</b>	<b>Qty: 1</b>
1400284	1400283	2485006	
			
<i>O-Ring; 12.29mmx3.53mm</i>	<i>O-Ring; #210</i>	<i>Gasket; 6.0L</i>	
<b>Qty: 1</b>	<b>Qty: 2</b>	<b>Qty: 1</b>	