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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

Kit Contents - 1032130

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

1045820/21	1407556
	
Turbo Qty: 1	Bracket: 2004-07 Pedestal Qty: 1

1400284	1400283	2485006
		
O-Ring; 12.29mmx3.53mm Qty: 1	O-Ring; #210 Qty: 2	Gasket; 6.0L Qty: 1

FT-11115722	FT-11115717	FT-11115725	FT-11115714
			
Bolt; M8x16 Qty: 2	Bolt; M6x20 Qty: 1	Bolt; M8x30 Qty: 3	Bolt; M6x10 Qty: 1

Pre-Installation

A new turbocharger will not solve the following failures:

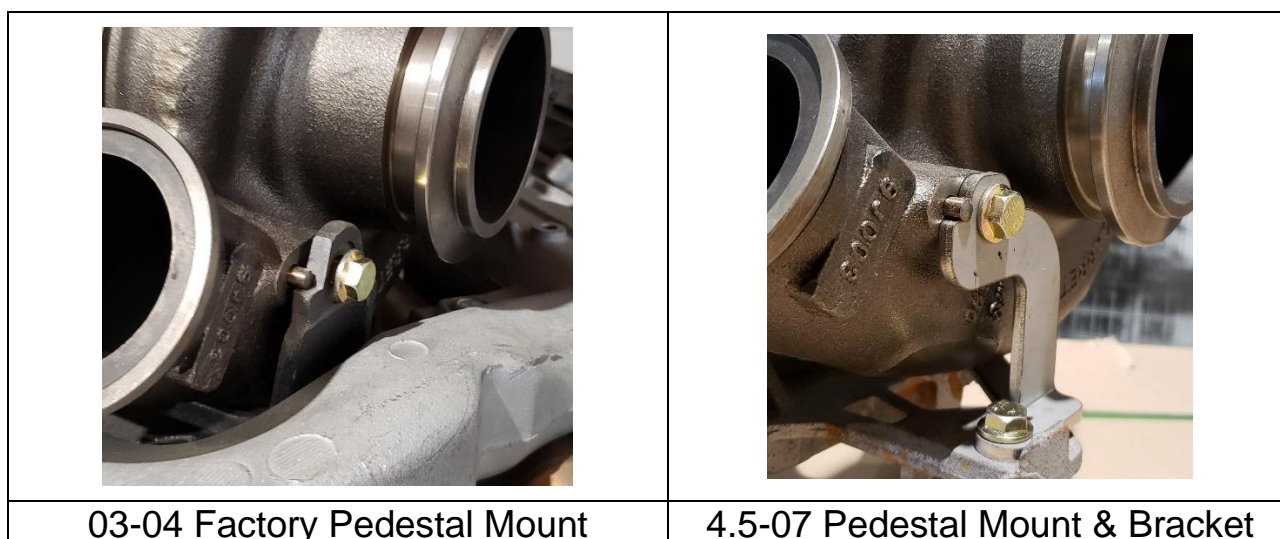
- Oil contamination
- Restrictive oil drain
- Over speed due to a boost leak
- Exhaust leaks due to faulty bellows, clamps, or seals

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 3750 rpm. A restrictive intake 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. Hand thread a bolt through the 1407556 bracket and into the pedestal to mount it prior to turbo installation. Remember to tighten all mounting bolts after turbo is mounted (23 ft-lbs). Mount the bracket to the turbo using the bolting location as pictured.

Whenever a turbocharger is installed, disconnect the batteries, wait five minutes, and reconnect the batteries. When the truck is next started, the ECM will trigger a VGT control valve relearn procedure to set the VGT control valve parameters. The relearn procedure can be monitored using a scan tool.

Due to the high heat nature of the solenoid connector, it is possible that the clip is damaged during the removal and installation process. Be sure to check that the connector is properly installed for solenoid operation.

