

Discover The Advantage of Garrett Genuine Turbos

Garrett
by Honeywell

INTRODUCING GARRETT ORIGINAL,
6.0 LITER TURBOCHARGERS

Featuring:

- New Turbos 2 Year / Unlimited Miles Warranty
- Garrett Original Reman 1 Year / Unlimited Miles Warranty
- Over 20 Engineering Upgrades



**Original Turbochargers
From Garrett**

Featuring:

- 1. 100% New Turbochargers and Garrett Original Reman Turbochargers**
- 2. Over 20 New Engineering Updates**
for Better Performance and Longevity
- 3. A New, Longer Warranty Period**
Now Two-Years / Unlimited Miles
(For new units sold after January 1, 2016 -
Garrett Original Reman 1 Year / Unlimited Miles Warranty)

New Garrett brand turbochargers and Garrett Original Reman turbochargers offer owners a superior product versus independently remanufactured units. Only Garrett brand turbochargers are guaranteed to have all the latest engineering updates needed for a longer turbocharger life!

Genuine, Original Equipment Turbochargers

Garrett brand turbochargers are the original equipment for 6.0 Liter diesel engines.

Today that service market is in its peak and independently rebuilt turbochargers are proving to have repeated failures. These failures are caused by the reuse of many parts that Garrett's engineers have upgraded for better operation and greater durability.

Only from Garrett and their authorized dealers can you find these IMPROVED turbochargers.

Contact any **DIESELUSA**GROUP® location below to get your genuine Garrett turbo today!

Cincinnati, OH
800-828-1562

Columbus, OH
800-818-7867

Crown Point, IN
219-663-7286

Indianapolis, IN
800-232-2834

Fort Wayne, IN
800-269-2475

Louisville, KY
877-361-2531

Fontana, CA
866-887-2648

Or, Visit us online at:
www.DieselUSA.com

USING A NEW TURBO ON THE 6.0 LITER DIESEL IS BEST. HERE'S WHY:

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1 Compressor Wheel

Garrett's compressor wheel testing dictates 1 million cycles prior to introduction. This testing prevents issues such as low cycle fatigue (hub burst / wheel splitting in half). A wheel may exceed life expectancy but is at risk for premature failure if reused.

EFFECT: Analysis of failed rebuilt units shows micro cracks in compressor wheel bores.

2 Solenoid Control Valve

The solenoid control valve utilizes stricter control parameters to regulate oil flow through the unit.

EFFECT: These controls minimize the amount of oil directed to the turbine end seal to reduce turbine seal leakage.

3 Turbine Wheel

The multiple cycles of the 6.0L application can cause high cycle fatigue of the turbine blades. When a 6.0L turbocharger is reworked it is unknown how many cycles are on the turbocharger which can lead to premature failure.

EFFECT: Extended cycles can cause tip failures which can be mistaken for foreign object damage.

4 Center Housing

All Garrett 6.0L replacement turbos contain the updated center housing with a machined recess. The machined recess helps vent the moisture that could settle under the unison ring and minimize the corrosion in the contact area between the ring and housing. The machined recess allows toxic liquids to bypass the delicate variable geometry mechanism to reduce buildup and interface friction.

EFFECT: Only Garrett units feature these upgrades for extended turbocharger life on 100% of all units.

5 Unison Ring

A brand new unison ring used with new vanes insures proper clearances thereby assuring superior turbo and engine performance.

EFFECT: Eliminates problems associated with salvaged unison rings that increase side clearance with vanes that cause sluggish throttle response.

6 VNT Mechanism

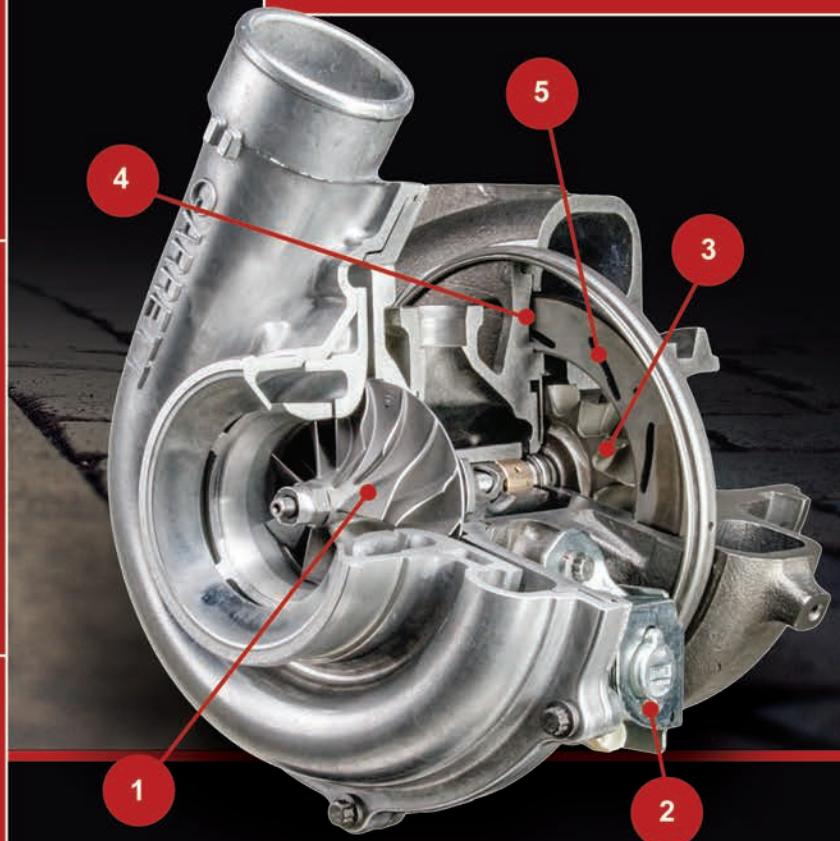
The leading cause for replacement is corrosion within the VNT mechanism. Operating conditions of the 6.0 liter engine cause the turbo VNT mechanism to wear significantly in a normal lifecycle. Rebuilt units that salvage the mechanism can shorten turbo life.

EFFECT: All new parts solve the problems

7 Variable Geometry Vanes

Typical high mileage vanes show extensive vane tab wear. Reuse of vanes can result in VNT mechanism malfunction. Only Garrett's aftermarket 6.0 liter turbochargers contain a new vane design with improved metallurgy for better performance and life.

EFFECT: Independent Remanufactured units may have slow vane response which can have performance and/or emission implications.



Listed here are just some of the engineering upgrades made to the Garrett 6.0 liter turbocharger. Many additional proprietary engineering advancements are also included to provide 6.0 liter engine owners the best turbo available!