



*Power - Innovation - Service*

**CTR**



[www.compturbo.com](http://www.compturbo.com)



**Thank you for choosing Comp Turbo Technology. We strive to provide the highest level of customer service. We hope that your experience with us was pleasant. As a valued customer, your comments and opinions are very important to us. If you have any concerns, questions, or comments, please email them to: [customerfirst@compturbo.com](mailto:customerfirst@compturbo.com). For turbocharger installation assistance please feel free to contact our experienced technical support team at 909-594-8400 or via email at [technicalsupport@compturbo.com](mailto:technicalsupport@compturbo.com).**

**Sincerely,**

**Team Comp Turbo**



# Turbocharger Installation Instructions

## Aircooled 1.0 & Oil-Less 3.0

1. Bolt the turbine casing solidly to the exhaust manifold. The connection from the compressor casing to the air intake piping should be flexible.
2. Since this turbocharger does not require lube oil from the engine, it can be mounted from horizontal and vertical positions.
3. This turbocharger contains a water jacket in its bearing housing and must be supplied with cooling fluid from the engine cooling system (Oil-Less 3.0).
4. Air cleaner pressure drop should be no greater than 10" H2O and muffler restriction no greater than 1.5" Hg. If no air cleaner is used, a screen should be placed over the compressor casing air inlet to prevent entry of foreign material that can damage the compressor wheel.
5. All connections and flanged joints should be checked for leakage when the engine is running and the cooling fluid is warm.
6. The Turbocharger is greased and ready for installation on the engine.
  - At 3000 miles apply 7 pumps of Comp Turbo Grease for a mid mount setup.
  - At 2500 miles apply 6 pumps for an engine mount setup (Oil-Less 3.0).
  - Only use Comp Turbo's authorized high speed grease.
  - Do not remove Zerk Fitting from the turbocharger.

## Triplex Ceramic™ Oil 2.0 & 360 Journal Bearing

1. Bolt the turbine casing solidly to the exhaust manifold. The connection from the compressor casing to the air intake piping should be flexible.
2. The oil inlet piping should be short to minimize oil lag on startup and should be the following size, CT3B Ball Bearing should use -3 Oil line, CT360 Sleeve bearing should use -4 Oil line. Oil-Less does not require Oil lines.
3. The oil drain should be short, slope downward over its entire length and have at least a 3/4" inside diameter. Horizontal runs should be avoided.
4. The turbocharger must be supplied with filtered engine oil at between 35 and 50 psi pressure (CT3B Only) when the oil is up to temperature. Excessively high oil inlet pressure can cause oil leakage and smoke in the engine exhaust.
5. Air cleaner pressure drop should be no greater than 10" H2O and muffler restriction no greater than 1.5" Hg. If no air cleaner is used, a screen should be placed over the compressor casing air inlet to prevent entry of foreign material that can damage the compressor wheel.
6. All connections and flanged joints should be checked for leakage when the engine is running and engine oil and water are warm.

# 1 Year Unlimited Mileage Warranty

## Products & Services

Comp Turbo Technology, Inc. Warrants all turbochargers to be free from defects in material and workmanship for a period of 1 year from the original date of purchase. If we confirm a defect in a turbocharger covered by this warranty, we will repair at our option with remanufactured components. There are no refunds on any installed parts and labor, regardless of fault or reason.

## Exclusions

This warranty covers defects in material or workmanship discovered while using the product as recommended by the manufacturer. The warranty does not cover damage or contingent damage caused by misuse, abuse, or any modification. The warranty does not cover parts that are subject to normal wear and tear.

## Limits of Liability

If any defects in material or workmanship are found, your sole recourse shall be repair, as described in the preceding paragraphs. Comp Turbo Technology, Inc. will not be held liable to your or any other party for any damages that result from the use of this product. Damages that are excluded, but are not limited to, the following: installation fees, damage to engine components, damage to personal or public property, personal injury, medical bills, and/or subsequent death. In no event will Comp Turbo Technology, Inc. will be liable for more than the turbocharger purchase price, not to exceed the current list price of the product and excluding tax, shipping and handling charges.

By installation and use of the product, the user accepts all terms described herein.