

Safety Instructions For Garrett Performance Turbochargers



Garrett Motion Inc. and its affiliates:

For all sales in USA:
Garrett Transportation I inc
47548 Halyard Drive
Plymouth, MI 48170

For all sales in EMEA:
Garrett Motion SARL
Z.A. La Pièce 16; 1180
Rolle, Switzerland

Garrett performance turbochargers are professional aftermarket products only designed for certain racing vehicles driven on particular racing tracks and shall only be used on racing vehicles that will never be driven on public roads or highways. Garrett performance turbochargers are not legal for the use in vehicles on public roads or other road to which public road law applies. Any vehicle modifications using Garrett performance turbochargers are AT YOUR OWN RESPONSIBILITY and AT YOUR OWN RISK. Only use Garrett performance turbochargers in compliance with all applicable laws, regulations and ordinances (including but not limited to emission, noise, operating license, performance, safety and type-approval aspects). Garrett does not support removal or alteration of any emission equipment or control devices on any vehicle. Moreover, only use Garrett performance turbochargers in compliance with all applicable racing and racing track provisions. It is YOUR OWN RESPONSIBILITY AND RISK to ensure that your Garrett performance turbocharger fits your vehicle and area of application. YOU MUST ENSURE LAWFUL AND SAFE OPERATIONS AT ANY TIME. All modifications and installation are at customer own risk and Garrett does not take responsibility either implied or otherwise any failures resulting from use of this product.

In order for these products to be legal on a specific vehicle in California, the part number must receive a CARB Executive Order (EO) number. This number makes the part legal for use only on specific years, makes and models of vehicles. A decal with CARB EO number for these parts must be displayed in the engine bay to satisfy smog inspection requirements. Decal can be removed after install if flammable.

- WARNING:** Personal protective equipment required
- WARNING:** Incorrect installation may result in bodily injury (including death) or property damage
- WARNING:** Installation of turbocharger is highly recommended to be done by professional mechanics
- WARNING:** Follow all instructions
- WARNING:** Torque values shown are for professional mechanics
- WARNING:** Battery should be disconnected prior to installing turbocharger
- WARNING:** If raising vehicle use proper care & equipment
- WARNING:** Garrett is not responsible for installation errors
- WARNING:** All visual inspection of the turbocharger must be made with the engine off and turbocharger wheels not spinning. USE CAUTION
- WARNING:** Turbocharger components may be extremely hot. USE CAUTION
- WARNING:** This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. www.P65Warnings.ca.gov

Personal protective equipment required:



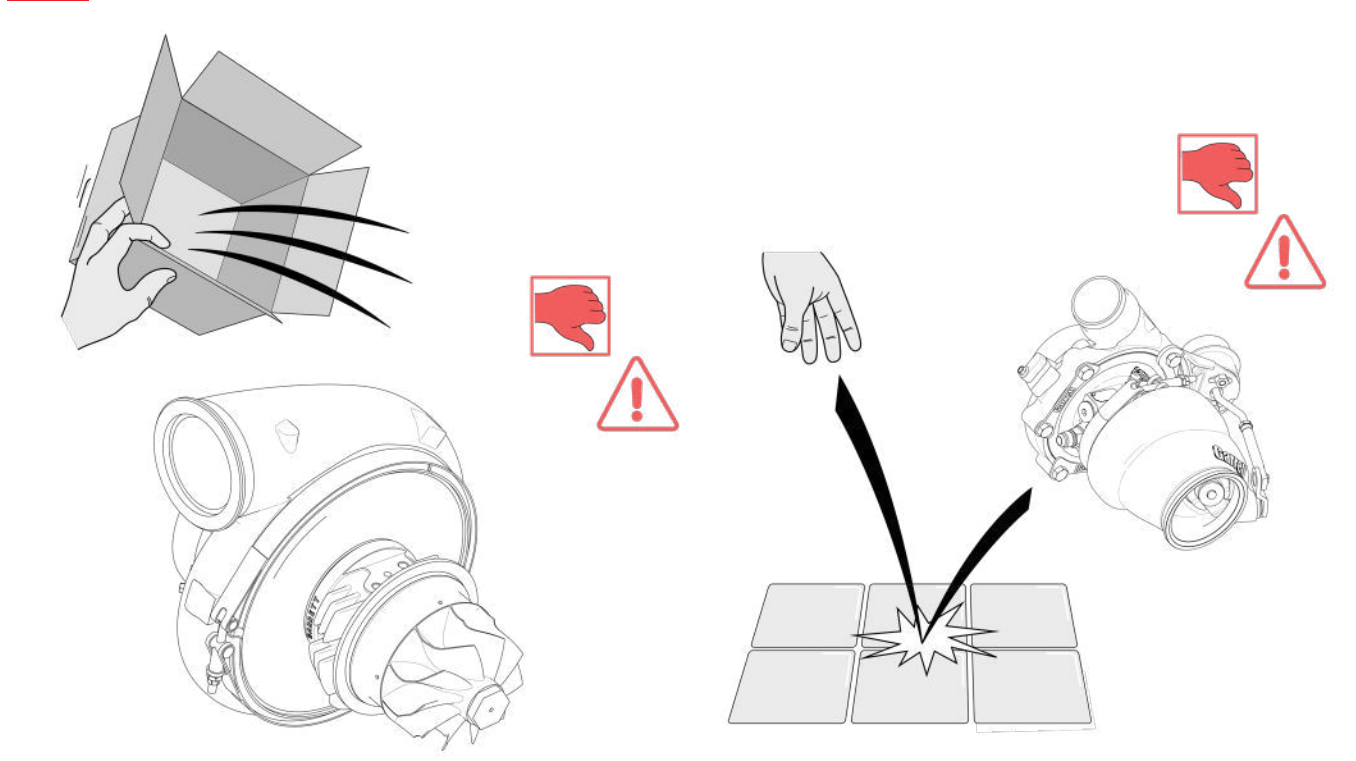
Wear Protective Gloves

Wear Protective Clothing

Wear Protective Boots

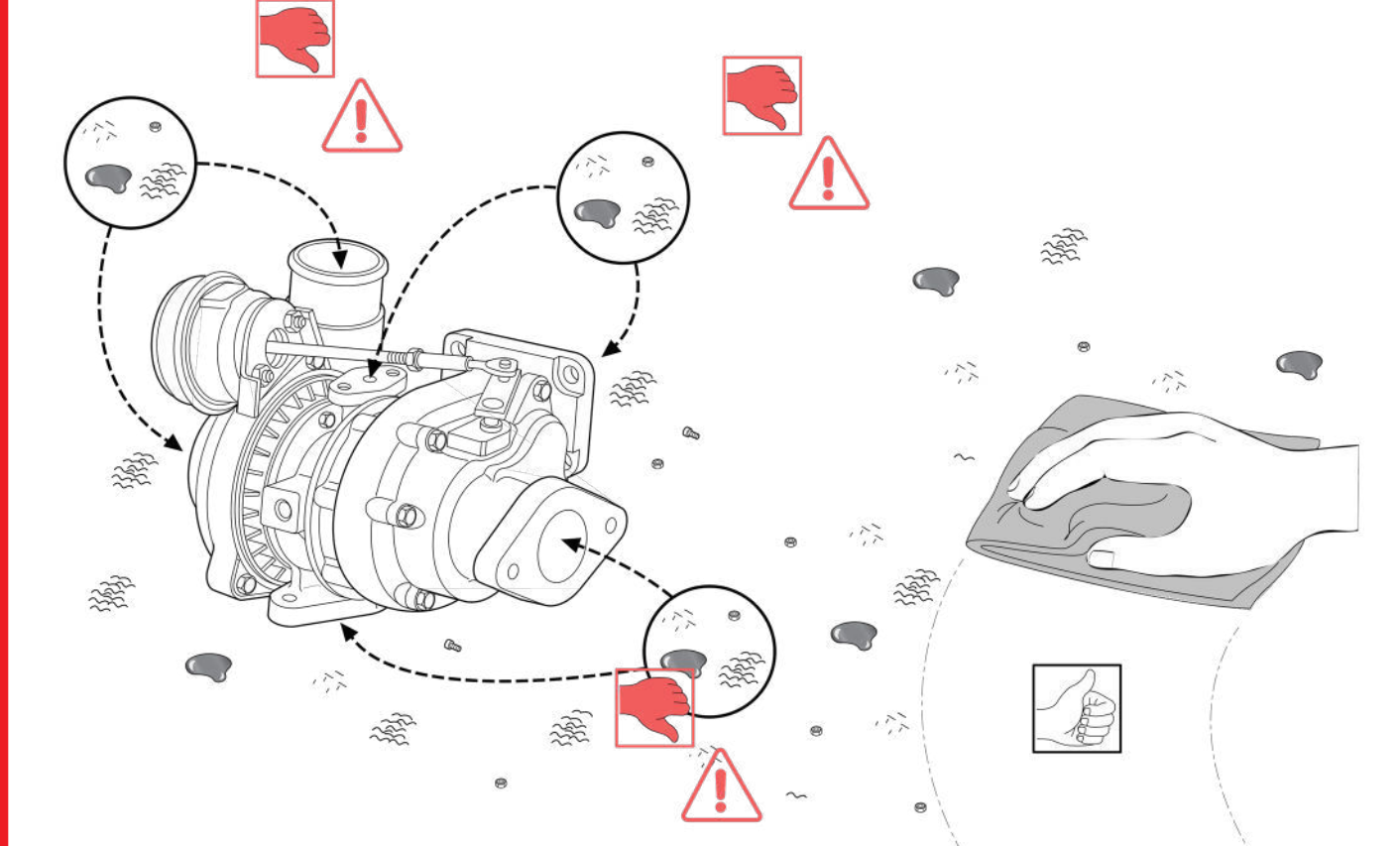
Wear Eye Protection

1 Drawings may not be representative of the actual turbo purchased



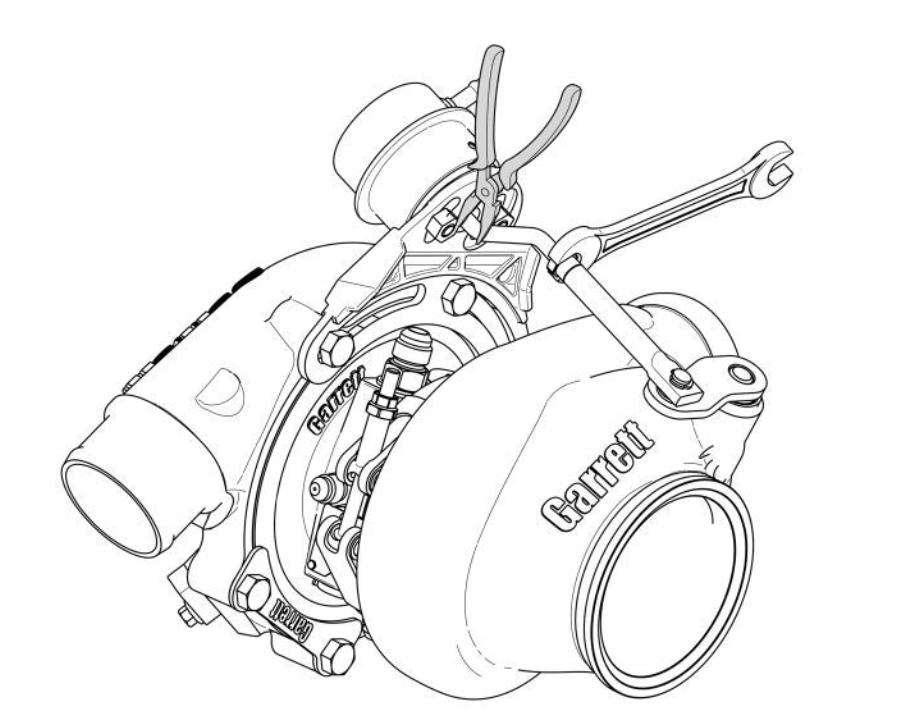
Remove turbocharger from package with care, do not use vise on turbo. Proceed with caution so damage to turbocharger does not occur during handling or installation.

2 Drawings may not be representative of the actual turbo purchased



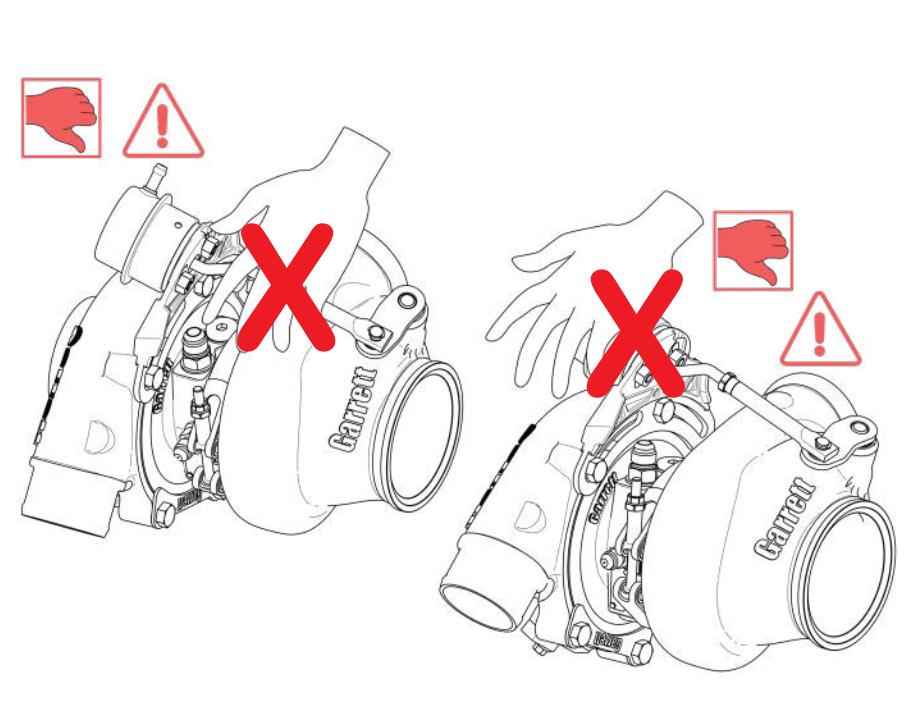
Ensure workplace is clean so debris does not enter openings on turbocharger.

3 Drawings may not be representative of the actual turbo purchased



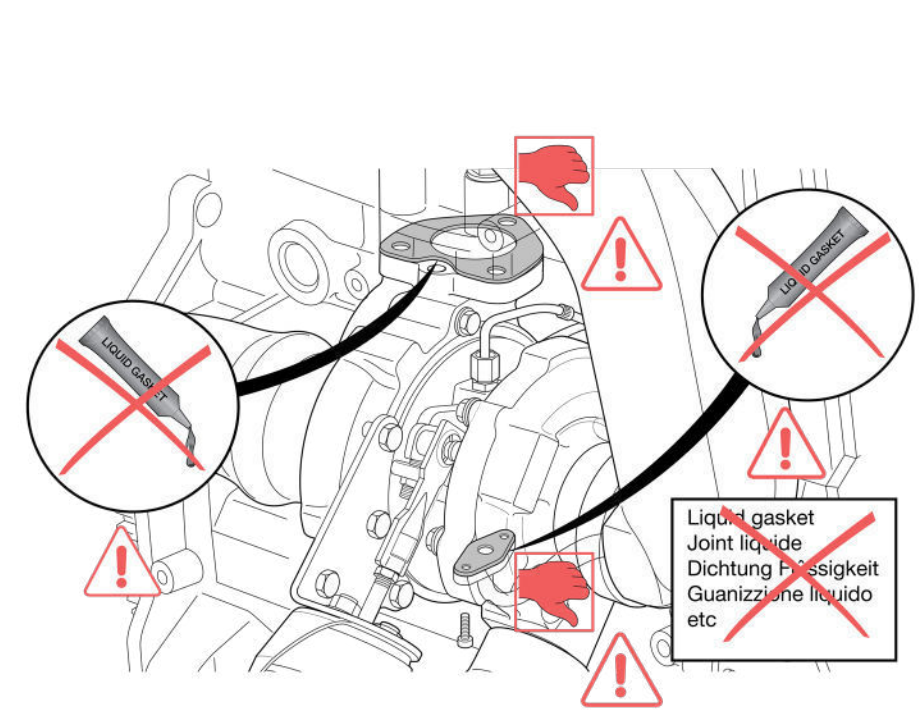
If re-calibration is needed hold actuator rod when tightening rod end nut to avoid actuator diaphragm failure

4 Drawings may not be representative of the actual turbo purchased

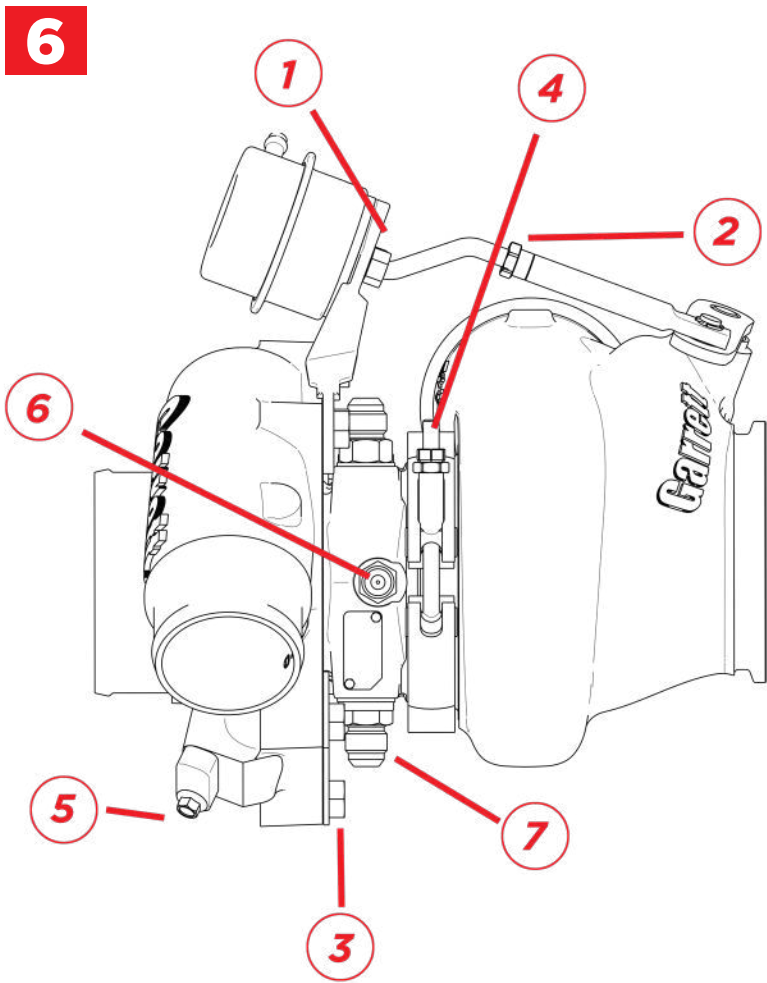


Do not carry or manipulate the turbocharger by rod or actuator

5 Drawings may not be representative of the actual turbo purchased



Do NOT use liquid gasket to seal oil or water circuit



Drawings may not be representative of the actual turbo purchased

BOLT / FITTING / CLAMP TORQUE SPECIFICATION GUIDE								
G-Series Size	1	2	3		4	5	6	7
	Actuator To Bracket Nut	Rod End Nut	Compressor Housing To Center Housing		Turbine Housing To Center Housing	Speed Sensor Cover Bolt	Oil Inlet Fitting	Water Fitting / Plug
			Bolt Connection	V-band Connection	V-band Connection			
	Nm Ft-Lb	Nm Ft-Lb	Nm Ft-Lb	Nm Ft-Lb	Nm Ft-Lb	Nm Ft-Lb	Nm Ft-Lb	Nm Ft-Lb
25	7 5.2	7 5.2	17 12.5	---	14.7 10.8	5.5 4.1	21.5 16	23 17
30	7 5.2	7 5.2	17 12.5	---	14.7 10.8	5.5 4.1	21.5 16	23 17
35	7 5.2	7 5.2	17 12.5	---	14.7 10.8	5.5 4.1	21.5 16	23 17
40	---	---	---	14.7 10.8	14.7 10.8	5.5 4.1	---	23 17
42	---	---	---	14.7 10.8	14.7 10.8	5.5 4.1	---	23 17
45	---	---	---	14.7 10.8	14.7 10.8	5.5 4.1	---	23 17
47	---	---	---	14.7 10.8	14.7 10.8	5.5 4.1	---	---
50	---	---	---	14.7 10.8	14.7 10.8	5.5 4.1	---	---
55	---	---	---	14.7 10.8	14.7 10.8	5.5 4.1	---	---
57	---	---	---	14.7 10.8	14.7 10.8	5.5 4.1	---	---

SCAN QR CODE FOR TURBO DESIGN SPEEDS