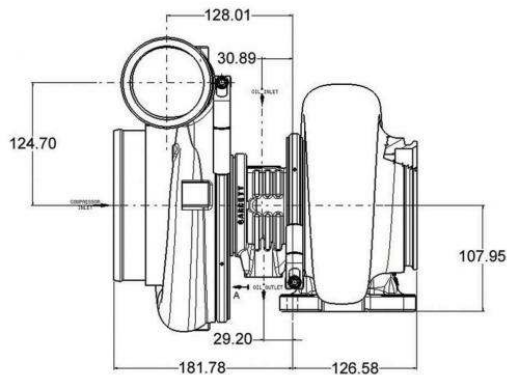




## GTX5544R GEN II Turbocharger

**Horsepower:** 1400 - 2850

**Displacement:** 3.0L - 12.0L



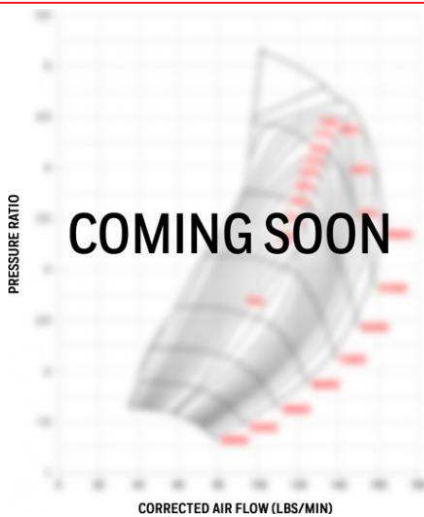
Measurements in MM



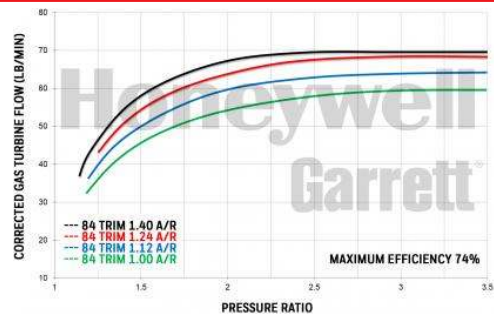
### Features:

- GEN II compressor wheel aerodynamics
- Lightweight billet backplate
- (NEW) Backplate to compressor housing O-ring
- 144mm Compressor Exducer
- Features the .96 A/R compressor housing
- Super core and turbine housing sold separately
- Compatible with GTX5533R Turbine Housings
- Compatible with GT and GTX turbine housings

COMPRESSOR MAP



EXHAUST FLOW CHART



Reference Data [Download Section](#)

GTX5044R GEN II   Reference Data		Compressor				Turbine		
Super Core PN	Replaces	Inducer	Exducer	Trim	A/R	Inducer	Exducer	Trim
851285-5021S	NEW	102mm	144mm	50	0.96	112	102	84
851285-5022S	NEW	106mm	144mm	54	0.96	112	102	84
<b>Notes:</b>		<b>Turbine Kit PN</b>	<b>A/R</b>	<b>Inlet</b>	<b>Outlet</b>	<b>Wastegate</b>	<b>Divided</b>	<b>Trim</b>
Super Core and Turbine Kit Sold Separately		761208-0014	1.00	T6	V-Band	Free Float	N	84
		761208-0015	1.12	T6	V-Band	Free Float	N	84
		761208-0025	1.24	T6	V-Band	Free Float	N	84
		761208-0017	1.40	T6	V-Band	Free Float	N	84
		761208-0020	1.78	T6	V-Band	Free Float	N	84
* SFI Certified Turbine Housings		761208-0026	1.00	T6	V-Band	Free Float	N	84
		761208-0042	1.12	T6	V-Band	Free Float	N	84
		761208-0027	1.24	T6	V-Band	Free Float	N	84
		761208-0043	1.40	T6	V-Band	Free Float	N	84

GTX5044R GEN II   Reference Data		Compressor			Turbine		
	761208-0044	1.76	T6	V-Band	Free Float	N	84

## GTX5544R Gen II

Product Training Manual

3.0L – 12.0L Displacement Engines

1400 – 2850 Horsepower



## Part Number Breakdown

- 2 NEW compressor configurations
  - 102mm inducer 1400 – 2750 HP
  - 106mm inducer 1450 – 2850 HP
- 144mm compressor exducer
  - (11mm larger than GTX5533R)
- GTX Gen II compressor wheel aero
- Turbine stage same as GTX5533R
- Super core and turbine housing sold separately

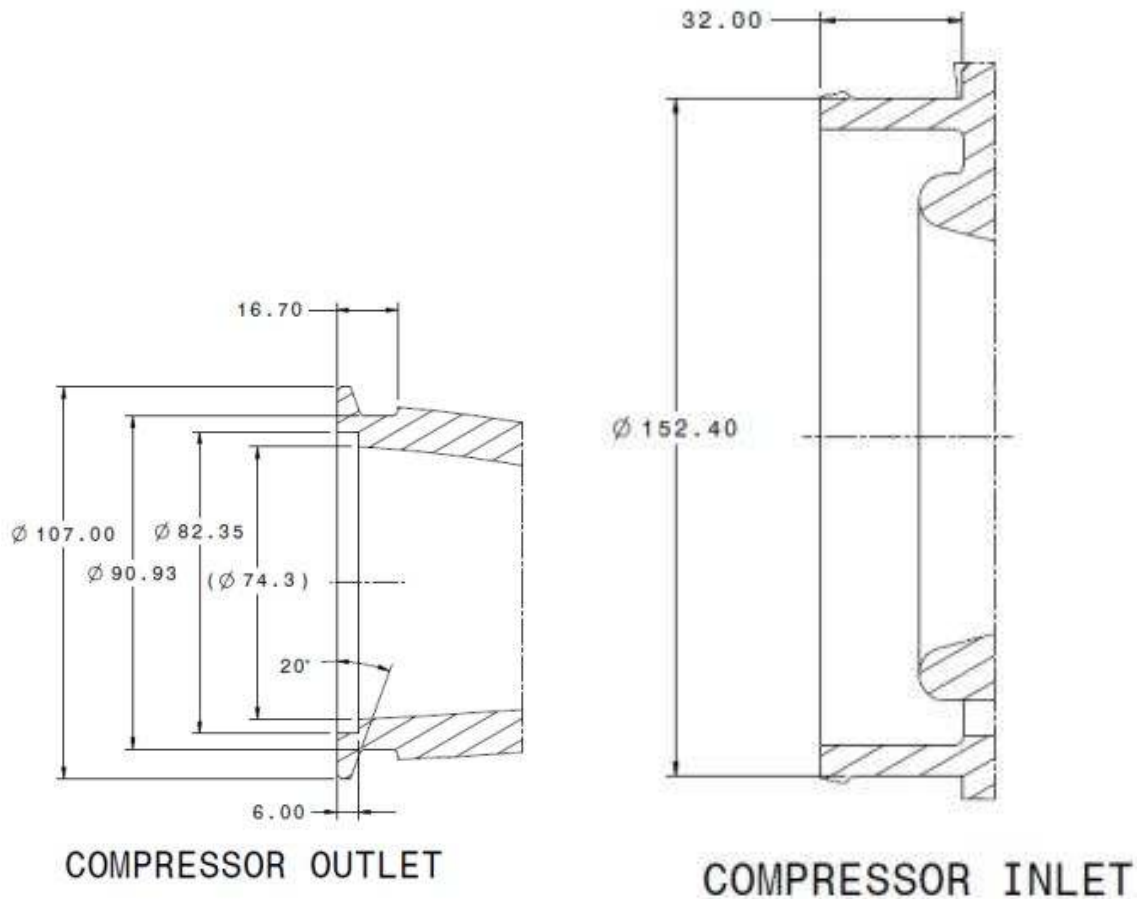
- Compatible with GTX5533R turbine housings

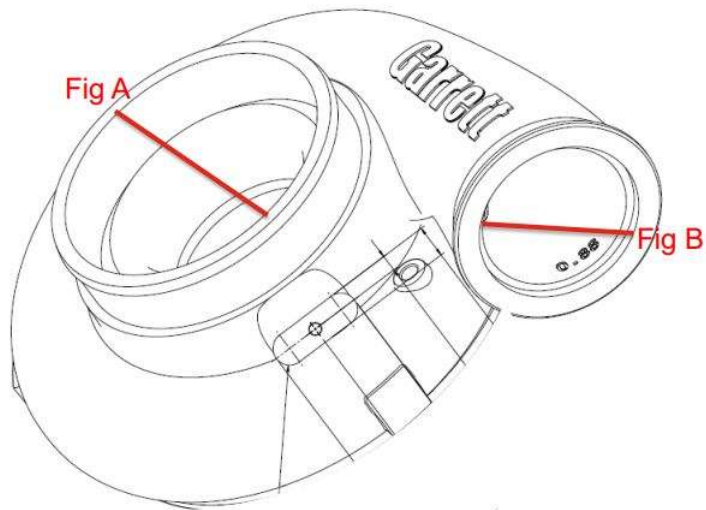
GTX5044R GEN II   Reference Data		Compressor				Turbine		
Super Core PN	Replaces	Inducer	Exducer	Trim	A/R	Inducer	Exducer	Trim
851285-5021S	NEW	102mm	144mm	50	0.96	112	102	84
851285-5022S	NEW	106mm	144mm	54	0.96	112	102	84
<b>Notes:</b>		<b>Turbine Kit PN</b>	<b>A/R</b>	<b>Inlet</b>	<b>Outlet</b>	<b>Wastegate</b>	<b>Divided</b>	<b>Trim</b>
Super Core and Turbine Kit Sold Separately		761208-0014	1.00	T6	V-Band	Free Float	N	84
		761208-0015	1.12	T6	V-Band	Free Float	N	84
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		761208-0017	1.40	T6	V-Band	Free Float	N	84
		761208-0020	1.78	T6	V-Band	Free Float	N	84
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		761208-0027	1.24	T6	V-Band	Free Float	N	84
		761208-0043	1.40	T6	V-Band	Free Float	N	84
		761208-0044	1.78	T6	V-Band	Free Float	N	84

## 2 New Part Number Configurations

### .96 A/R Compressor Housing

- GTX5544R Gen II features the .96 A/R compressor housing
- GTX5544R is outline interchangeable with GTX553R Gen II
- 6" Compressor inlet diameter (Fig A)
- 3" Compressor outlet diameter (Fig B)





## Additional Features

- Lightweight billet backplate
- (NEW) Backplate to compressor housing O-ring
- Speed sensor port compatible only with new flange style speed sensors: (pn 781328-0003 Street Kit | pn 781328-0004 Pro)



O-ring



Speed sen

## Compatible only with New Flange Style Speed Sensor

### About Garrett® GTX Series Turbochargers

Garrett® GTX Series turbochargers are designed specifically for the hard-core enthusiast who wants optimal performance. The forged fully-machined billet aluminum compressor wheels feature next generation aerodynamics that provide a larger horsepower range and maximize boost response.

Ported shroud compressor housings increase surge resistance and provide reliable, continuous power throughout the power band. A dual ceramic ball bearing cartridge prolongs the lifespan and improves shaft balance. The water cooled CHRA keeps housing temperatures to a minimum. The turbine wheel is constructed from Inconel, a Super Alloy that maintains strength during prolonged exposure to high exhaust gas temperatures.

Turbine kits are offered in open volute and twin scroll, and a variety of A/R and flange configurations. GTX Series turbochargers are used by today's top motorsports teams and are ready to boost you to the podium or wherever your destination may be.

