

S292 - DATA SHEET

BMW 3.0i B58 (GEN1)

Hybrid Turbocharger

Stage 1 - 580bhp

Stage 1 performance turbocharger upgrade for BMW 3.0i B58 (Gen1), capable of supporting up to 580 bhp.*

Designed, developed and manufactured in-house at Turbo Technics.

Direct fit for a straightforward installation.



Specification

- TT large trim T38 billet compressor wheel (reverse rotation)
- TT designed T38 turbine wheel, oversize trim (reverse rotation)
- Compressor housing CNC re-profiled for upgraded compressor wheel
- Turbine housing CNC reprofiled for upgraded turbine wheel
- Stub-shaft diameter increased to improve strength under high loading
- TT designed bespoke journal bearing
- TT designed 360° bolted thrust bearing assembly
- Bearing housing modified for compressor wheel upgrade, bespoke heatshield, upgraded turbine seals, and bolted thrust bearing upgrade
- Bespoke designed seal plate, machined from billet
- TT designed heatshield to match turbine wheel upgrade, machined from solid stainless steel
- Upgraded high spec turbine oil seals
- Core assembly balanced to high speed on Turbo Technics VSR ® balancing machine



Please contact us for current lead times and prices on 01604 705050 or email enquiries@turbotechnics.com

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S292 - Additional Information

The S292 is a well-rounded upgrade for vehicles equipped with the 1st Gen B58 engine (fitted with the Bosch-Mahle manufactured turbocharger - NOT BorgWarner). The S292 features a large but efficient wheel set to provide strong, repeatable power with good 'everyday' drivability, and the upgraded bearing pack and shaft design improves durability beyond the already robust original turbocharger. *The 580bhp figure stated is for high grade pump fuel, higher figures can be achieved with performance fuels.

Supporting Modifications

*Effective operation of the turbo will require the following supporting modifications as a minimum:

- Engine management re-map
- Induction kit or suitable intake upgrade
- Charge cooler upgrade recommended for higher power figures
- Full turbo-back free-flow exhaust system

Application Details

Vehicle(s)

BMW – M140i/M240i/340i/440i/540i/640i/740i/M40iX3/M40iX4

Model Year(s)

2015-2019

Engine Code(s)

B58B30M0

Manufacturer Part Number(s)

7643147 (OE Number)

Availability and Purchase

Stock Status: Built to order

This unit is available as a conversion carried out on a customer-supplied unit only.

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The logo for Turbo Technics features the word 'TURBO' in a large, bold, grey sans-serif font above the word 'TECHNICS' in a smaller, bold, blue sans-serif font. To the right of the text is a stylized graphic element consisting of a grey horizontal bar above a blue horizontal bar, both with a slight 3D effect.

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