

R248-1 - DATA SHEET

VAG 2.0L TSI/TFSI (EA888 GEN3)

Hybrid Turbocharger

Stage 2 - 520bhp

Stage 2 performance turbocharger upgrade for VAG 2.0L TSI/TFSI engine (EA888 Gen3), capable of supporting up to 520 bhp.*

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

Direct fit for a straightforward installation.

Specification

- TT designed 'TT70' billet compressor wheel
- TT designed T36 turbine wheel, custom trim for this application
- Compressor housing CNC re-profiled for upgraded compressor wheel, including increased inlet bore diameter to match TT inlet adapter
- Turbine housing CNC re-profiled to match T36 turbine wheel
- Bespoke TT designed bearing pack and shaft system upgrade, for reliability under increased loading
- Journal and stub shaft diameters increased
- Bespoke TT designed journal bearing
- TT designed reinforced 360° thrust bearing assembly, with pressure-fed thrust pads
- TT designed bearing housing, cast and machined to suit bespoke bearing pack design
- TT designed billet backplate upgrade, sized to match compressor wheel upgrade
- TT designed heatshield to match bearing housing and turbine wheel upgrade, machined from solid stainless steel
- Upgraded high spec turbine oil seal
- 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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R248-1 - Additional Information

The R248-1 (sometimes referred to as the 'V4') is derived from Turbo Technics' original hybrid turbo design for the Mk7 Golf R. Originally targeting a minimum of 450bhp, the in-house designed T36 turbine wheel and TT70 billet compressor wheel are ideally suited, and work well with the unusually generous IHI housings. TT engineers have pulled it all together with an innovative bearing system that is both responsive and durable, and has proved to be extremely reliable across a number of applications. As a complete design the R248-1 exceeds original expectations, easily breaking the 500bhp barrier and delivering consistent, reliable performance.

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 (TT intake hose upgrade recommended)
- Front-mounted intercooler upgrade
- Free-flowing downpipe upgrade (de-cat or sports-cat)

Application Details

Vehicle(s)

Audi – A3/S3
Seat – Altea/Exeo/Leon
Skoda – Octavia/Superb
Volkswagen – Golf

Model Year(s)

2012-2020

Engine Code(s)

CHHA CHHB CJXA CJXB CJXC CJXD CJXE

Manufacturer Part Number(s)

IS38 IHI MQB TURBO

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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