

S277 - DATA SHEET

VAG 2.0L TSI/TFSI (EA888 GEN3) Bespoke Performance Turbocharger Stage 3 - 550bhp

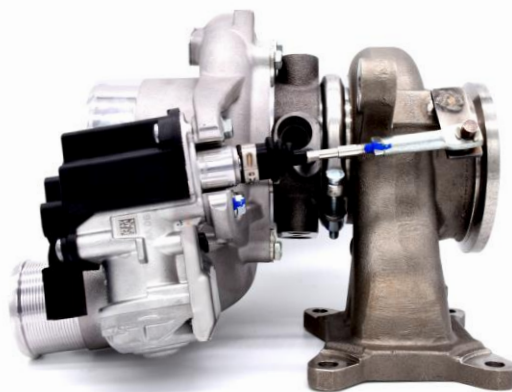
Stage 3 performance turbocharger upgrade for VAG 2.0L TSI/TFSI (EA888 Gen3), capable of supporting up to 550 bhp.*

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

Direct fit with included fitting kit for a straightforward installation.

Specification

- TT designed 'TT70' billet compressor wheel
- TT designed T36 turbine wheel, custom trim for this application
- Bespoke TT designed compressor housing, with increased volute size, optimised internal geometry, anti-surge ports, and integrated DV mount and actuator bracket
- Bespoke TT designed turbine housing for 2.0l EA888 Gen3 applications, with pulse converter technology, enlarged wastegate port, and redesigned volute 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
- Bespoke TT designed billet backplate, to match compressor wheel and housing
- TT designed heatshield to match turbine wheel upgrade, machined from solid stainless steel
- Upgraded high spec turbine oil seal
- Brand new electric actuator assembly
- Core assembly balanced to high speed on Turbo Technics VSR ® balancing machine
- Fitting kit includes large bore intake hose, compressor outlet hose, hose clips, and modified oil line



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

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S277 - Additional Information

The S277 (sometimes referred to as 'V5') is a completely bespoke upgrade, with new turbine and bearing housing upgrades to match the original footprint, and a huge bespoke compressor housing designed to extract the maximum performance from the available space. The bearing housing carries a unique bearing pack design, which has proved to be extremely reliable and perfectly capable of handling the huge loads generated by this high performance application. When combined with the incredible VAG 2.0l engine it was designed for, this powerhouse of a turbo is more than capable of delivering exceptional peak performance with surprisingly good response on the road.

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
- Front-mounted intercooler upgrade
 - Full turbo-back free-flow exhaust system

Application Details

Vehicle(s)

Audi – S3
Seat – 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: Typically in stock

This unit is available as an outright purchase, and does not require an exchange unit as it is made from all new parts.

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