

# UNLEASH THE POWER OF THE TURBO

The deployment of turbos continues to grow, and garages that stay ahead of the curve could receive a welcome power boost

Once a relatively niche addition to a vehicle's powertrain, a turbo is now a mainstream component deployed on many conventional vehicles. "Turbocharging has been used for many years, primarily in sports cars and high-end luxury vehicles," says Jon Roughly, global marketing director at First Line.

"However things have changed as manufacturers are heavily focused on meeting strict emissions targets. This has led to modern vehicles being produced with smaller engines that are turbocharged to offer the power when needed." While more turbos in the market means those garages that know how to work with them will be one step ahead, there are always challenges with new opportunities. Take turbo hoses as an example: "Turbo power isn't as durable as natural aspiration," according to Jon, "therefore the increasing demand for replacement turbos has naturally created a demand for turbo hoses as they are being constantly exposed to large changes in temperature and pressure, they are subject to abnormal levels of stress, meaning they will inevitably fail and need replacing.

"Turbo hoses are also being replaced where premature failure of a turbo has occurred as a result of foreign object impact, as the whole system must be inspected to ensure no debris is present, as this could induce premature failure of the replacement unit.

"Correctly identifying the turbo hose needed for the job can be challenging, as it can be difficult to explain which hose is required when ordering over the phone. To help overcome this, First Line have created technical layout drawings for every application, so that the correct hose can be pinpointed with ease. These can be seen when using their online WebCat, and are also available on MAM AutoCat and TecDoc."

Jon adds: No matter what the method of identification, technicians can quickly and easily source the correct turbo hose and, in turn, reduce the need to turn to the dealer."

## Market growth

Commenting on the increasing prevalence of turbochargers, David Eszenyi, commercial director at Ivor Searle says: "The market for turbochargers continues to grow as this technology becomes more commonplace in the vehicle parc. The proliferation of diesel cars and light vans, all of which are now turbocharged, is a key driver behind this growth. We are also seeing a gradual increase in demand for turbos on petrol-engined vehicles, in line with the



Above:  
David Eszenyi

## Most popular turbochargers:

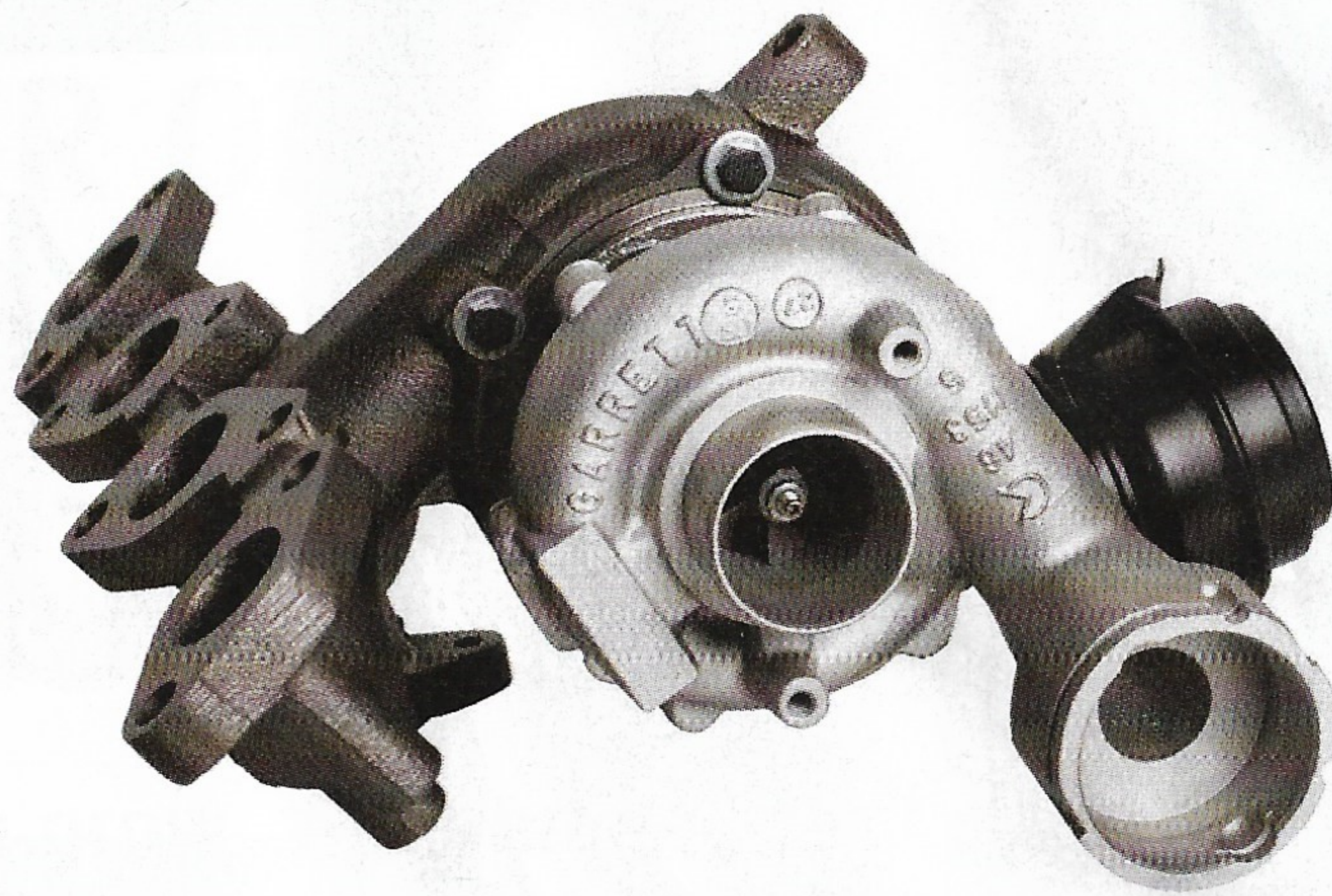
Ivor Searle's top five most popular turbocharger applications at the end of 2017 were all for diesel engine vehicles:

- BMW 1 Series 2.0 ■ Volvo C30 2.0 ■ Citroën Berlingo 1.6
- Audi A3 2.0 ■ Mitsubishi L200 2.5



growth of power output from smaller capacity and more efficient powertrains. Market growth is also illustrated by a number of new entrants into the turbocharger remanufacturing sector. With this in mind, product quality and customer service has become a key issue that workshops need to be aware of. Ivor Searle has made a major investment in the market and employs the same quality-focused ethos from over 70 years of engine remanufacturing expertise when it comes to our turbocharger remanufacturing facility, which is certified to ISO 9001:2008."

When a vehicle has a turbo that requires replacement, one option the garage can offer is a remanufactured unit. Why remanufactured turbos though? Cost to the customer is a big consideration. David Eszenyi observes: "Demand from workshops for remanufactured turbochargers is strong due to the high cost of purchasing a brand new replacement. Costing up to 40% less than OE, Ivor Searle remanufactured turbochargers provide independent garages with competitive advantage in today's highly price-sensitive market, without compromising on quality, warranty protection as well as customer service."



## THINK TURBOS – THINK IVOR SEARLE

Ivor Searle's all makes turbocharger programme covers diesel and petrol vehicles with new applications constantly being added.

The company holds comprehensive stocks and offer free UK mainland next day delivery on stock items, as well as a two-year unlimited parts and labour warranty on its turbochargers. All Ivor Searle turbochargers undergo stringent quality checks and test procedures throughout the remanufacturing process to ensure maximum durability and service life.

Prior to final assembly the turbocharger's rotating assembly is balanced on computerised VSR machines at speeds of up to 250,000 rpm. All units are then flow tested and calibrated to ensure they perform within the manufacturer's specifications before undergoing final quality inspection.

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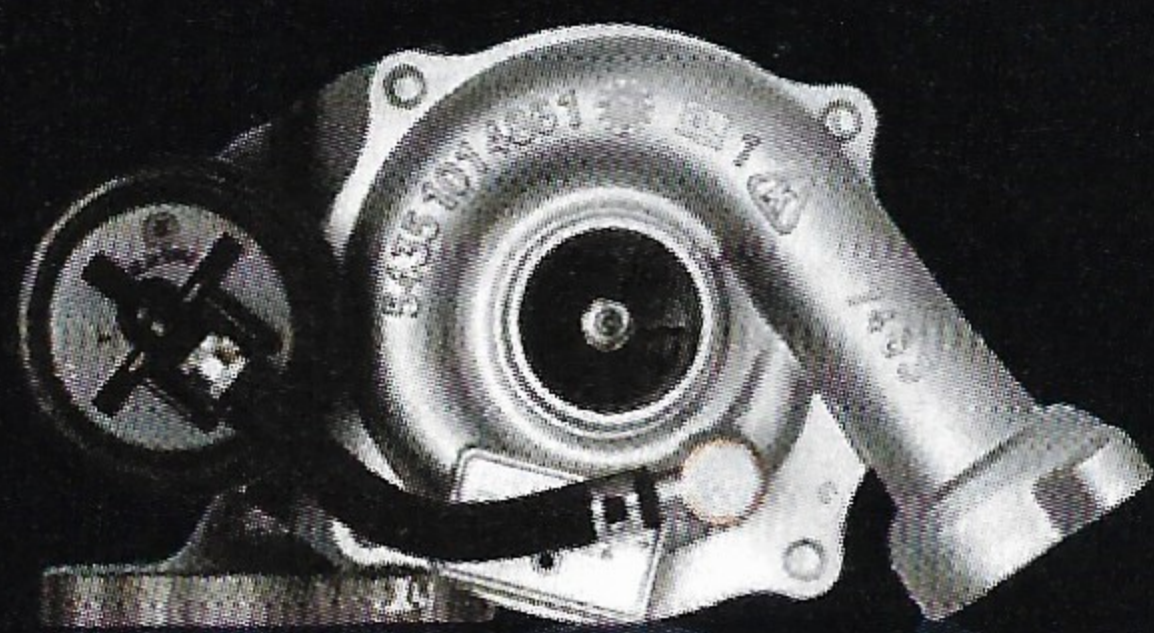
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## Think Ivor Searle, think... Remanufactured Turbochargers

All of our turbochargers undergo stringent quality checks and test procedures throughout the remanufacturing process



Fast turnaround service backed by a two years unlimited mileage, parts and labour warranty

Contact us today on 01353 720531 or visit [www.ivorsearle.co.uk](http://www.ivorsearle.co.uk) for a quote

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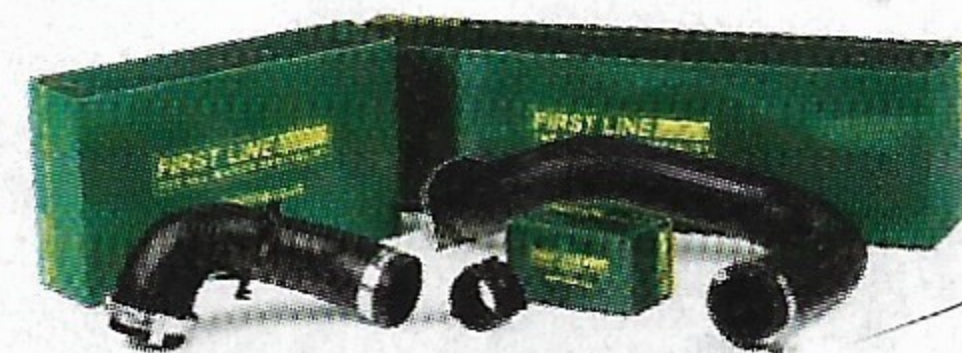


## TURBO HOSES FROM FIRST LINE

First Line has introduced over 45 new-to-range (NTR) turbo hose references in the last 12 months.

Among the notable inclusions are the turbo hoses to fit the Ford Focus MK II 1.8 2005-2010 (FTH1567) and the Ford Transit Connect 1.8 2002-2013 (FTH1551). The intake manifold hose for the VAG A4 1.6/2.0, A6 2.0, Passat 1.6/2.0 (FTH1123), has also been included. To supplement the range, First Line also offers 20 hose clips available in both the 1000 series and the heavy duty 1100 series designations, to help technicians when installing the new hose. First Line turbo hoses are also backed-up with a 24 month/24,000 mile warranty against manufacturing defects.

[www.firstline.co.uk](http://www.firstline.co.uk)



## EURO CAR PARTS OFFERS TURBO ALTERNATIVE

Euro Car Parts is offering an affordable turbo alternative through its TURBOJETZT range. The remanufactured turbochargers are available from stock for same day or following day delivery. With a stripped core, the TURBOJETZT turbocharger has had all components excluding the casing replaced with genuine components, before being balanced and tested to the highest standards. As a result, the range offers the same level of performance as OEM-manufactured turbos, but for up to 40% less than the cost of OE replacements. Euro Car Parts' TURBOJETZT range comes complete with fittings and a two-year warranty.

<https://omnipart.eurocarparts.com>

